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Appendices

Appendix 1.1 : Technical Standard

SS TECHNICAL STANDARDS

SECURITY GRADE
CLASS B

PERFORMANCE MEASUREMENT SYSTEM

労働生産性測定標準

SS-00138

SECOND EDITION

ESTABLISHED 1983-11-16

REVISED 1987-11-26

SS-00138-1987

Security Grade: Class B

The standards under this security grade shall be applied by and be in the custody of the following parties only.

- (1) Corporation
- (2) The associated companies* specifically designated by any division of Corporation.
* An associated company ——— A company financed by Corporation for production activities, which include any or all of the following: designing, production, distribution and servicing, of products, components or materials designated by Sony Corporation.

For the handling of these standards in a manner not specified above, refer to the secretariat of Technical Standards, Corporation, Tokyo.

秘密区分：B級

この標準の管理・運用は、原則としてつぎの範囲とする。

- (1) ソニー株式会社（以下ソニーという）
- (2) ソニーのいずれかの部門が指定したソニー圏内の関係会社*

* ソニー圏内の関係会社とは、ソニーが出資し、ソニーの指示による製品、部品・材料の生産活動（設計・製造・物流・販売・サービス）を担当する会社である。

この標準について上記に定めていない運用を行ないたい場合には、ソニー技術標準事務局に問い合わせること。

Established 1983, 11, 16

Revised 1987, 11, 26

Drafted Assembly Subcommittee
(Chairman: Mr. K. Yukawa, Audio Div., Audio Group)

Applied for by Standard Time Committee
(Chairman: Mr. A. Nakamura, Corporate Planning Group)

Examined Standard Time Committee
(Mr. H. Suwa, Consumer System Products and Design Group)

Authorized by Consumer System Products and Design Group
(Mr. H. Suwa, general manager)

Issued by Secretariat of Sony Technical Standards Committee
(Engineering Standardization, Engineering Coordination,
Products Coordination Group)

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Preface

All manufacturing divisions must dedicate themselves to achieve the highest possible productivity in all their plants. In order to achieve this in every plant in the world, it is necessary that all plants have access to the same technical and management know-how, which means that a wide range of production standards must be implemented.

We must have an accurate measure of labor productivity, if we are to be able to measure over-all productivity and determine where efficiency could be raised. Unfortunately, Sony Corporation and its associated companies have been using different methods to measure productivity.

The Standard Time Committee, composed of representatives from all divisions concerned, was established in 1983. The committee set a standard for establishing SST, or Standard Time, and for measuring productivity. It has also defined a standard vocabulary for things related to productivity, in order to avoid confusion. All these works have been written down and officially registered in the Technical Standards by the Committee. However, these Technical Standards has been applied differently in different divisions of Sony, and some divisions do not use it at all. A further problem is that the standards have become out of date as production methods have changed with technological innovation.

In 1987, a new Standard Time Committee was formed to entirely revise the Standard for establishing SST, and for measuring productivity. The new SST and productivity measurement system are introduced to Sony Corporation and its associated companies, across the board, from the fiscal year 1988.

The revised SST and productivity measurement system will facilitate the communication between Corporation and its associated companies, and exchange of information between Sony plants, which should result in improved productivity. They will also help each plant set an appropriate productivity target, because they will better understand their current level of productivity.

We hope that this labor productivity measurement system will help you raise productivity at your plant and in your product design operations.

1. Purpose

The purpose of this standard is to provide an objective understanding of the various indexes used for daily production activities by Corporation and its associated companies, in order to obtain a more scientific production control method so that products of higher quality can be manufactured at lower cost and with shorter delivery time.

2. Scope

This standard applies to all divisions of Corporation, its consolidated companies, and other production facilities designated especially by a business Group of Corporation.

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3. Operational procedure

- (1) All judgments and decisions about items related to this standard shall be made by Sony Standard Time Committee, composed of representatives from all divisions of Sony. These items shall be approved by the General Manager of Production Planning Division, Corporate Planning Group, and shall then be approved and put into practice by the Senior General Manager of each Group.
- (2) If it seems necessary to make any addition or deletion to this standard, requests should be made to Sony Standard Time Committee.

4. Basic arguments

- (1) In this standard, we deal only with the kind of productivity index which shows labor productivity as a ratio of normal hours to work hours. Needless to say, there are other viewpoints to look at productivity, and they should also be considered in the process of raising a plant's productivity.
- (2) The purpose of productivity measurement is to help production or design division improve its efficiency. Actually, in so many cases, we tend to lose sight of this goal and become tangled in details.
- (3) The decision of which to adopt to your plant (or a section of your plant) - the "Labor Productivity Measurement System", or the "Equipment Productivity Measurement System" - may be made by the manager in charge. As a principle, this Labor Productivity Measurement System can be adopted to any production process which involves a worker and has its SST established.

5. Standard method of work hours measurement

5-1 Work hours subject to productivity measurement

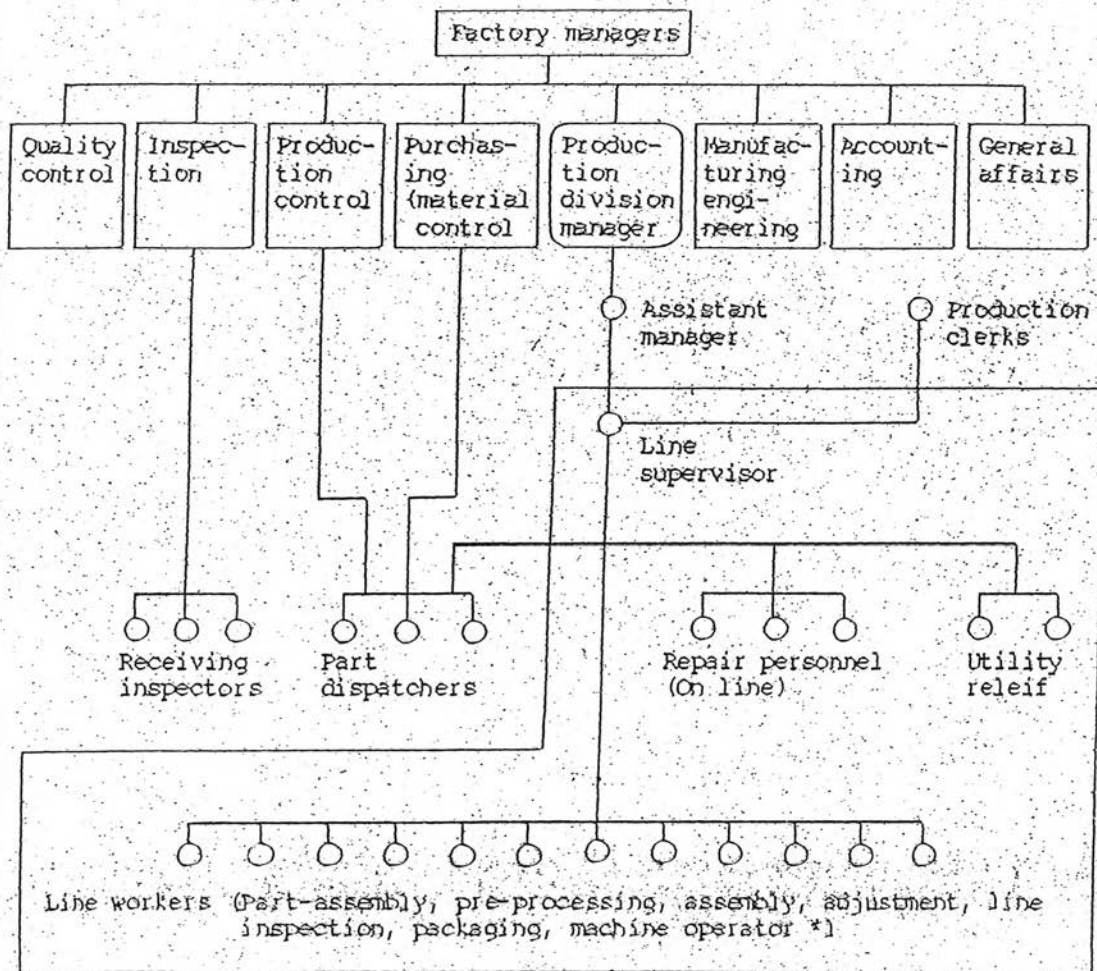
Productivity measurement shall be applied only to direct personnel, that is, operators whose work is directly related to production (including people who work part time).

As a rule, this does not include managers and assistant managers, or in other words, people in administrative positions. It does include line-supervisors, and people in positions equivalent to that. When, for instance, an assistant manager is also a line-supervisor, it depends on which of these two is his major job.

Some work hours may be subject to productivity measurement but not subject to cost analysis, and vice-versa.

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Figure 1 Persons whose work hours are subject to productivity measurement.



*1 Those kinds of machine operations with no SST established, are to be excluded from the subject of labor productivity measurement.

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5-2 Definition of various kinds of work hours

(1) Work hours

Figure 2 Formation of work hours

Regular hours		Over time		Borrowed hours	
Loaned hours	Total hours				
Total available hours					Total hours not available
Valid hours					Invalid hours
Production hours				Non-production hours	
Actual operating work hours	Repair work hours	Preparing work hours	A	Idle hours	B Unmeasured work hours

A = Repair modification (Manufacture responsibility)

B = Repair modification (Headquarters responsibility)

(2) Basic definition of work hours

- <1> Regular hours The number of employees x regular work hours per employee
- <2> Overtime Σ (Working after or before regular work hours, and working on holidays)
- <3> Absent work hours Σ (Tardiness, leaving early, absent all day and temporary leaving for personal matter)
- <4> Total hours not available Absent work hours + Σ (absences permitted by company due to weather, accidents, transportation strikes, etc.) + Σ (machine off-time)
- <5> Total hours Regular hours + overtime + borrowed hours - loaned hours

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- <6> Total available hours ... Total hours - total non-available hours ¹⁰
- <7> Valid hours The work hours including the time used for various activities directly related to manufacturing
- <8> Invalid hours The work hours including the time used for various activities indirectly related to manufacturing does not include the manufacturing activities themselves)

* When an indirect personnel does some work which is directly related to production, his/her work hours should be included within the valid hours.

(3) Detailed definition of work hours

<1> Valid hours

a. Production hours

- o Actual operating work hours ... Time spent by workers for operations such as component mounting, processing, assembly, wiring, adjustment, inspection and shipping.
- o Repair work hours ... Time spent for repairing defective products, or components, dropped out from the manufacturing process.
- o Preparing work hours ... Time spent for making the line run smoothly, by directing workers, compiling data, process composition, line preparation, and jig preparation.
- o Repair modification hours (manufacturing responsibility) ... Time spent for repair work for which the manufacture-side (plant) is responsible. It may include the time spent for very slight repairs done for all/some of the products in a production lot, either in-line or at some place outside the line. However, those repairs performed after the product is completed of all its processes and packed for shipping, should not be included into this category.
- o Idle hours ... Time lost when an operator waits to receive some component which is indispensable for the operation.

b. Non-production hours

- o Repair modification (headquarters responsibility) ... Time spent for repair work for which the headquarter-side is responsible.
- o Unmeasured work hours
 - a) Time spent for producing products/components that will not be sold, for example, producing trial products, products for R & D purposes, and so on.
 - b) Time spent for those manufacture-responsibility repair modifications, which are performed after the product is finished, in other words, after all the manufacturing processes are completed.

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<2> Invalid hours

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They are the hours spent for various activities not directly related to production, which include the following.

- o Education (training of new employees, general training, lectures and quality circles)
- o Meetings (those meetings held for general purposes, in other words, purposes not directly related to any specific product's production - a typical example is a meeting held by the plant's "Safety and hygiene committee")
- o Morning assembly of employees, and things of this kind.
- o Health examinations, inoculations, blood donations, etc.
- o Inventory-taking
- o Others

6. "Standard net time" and "actual net time"

6-1 Performance and method

There are many factories manufacturing Sony products, and they all have different kinds of equipment. On the other hand, different product categories have different methods of quality control, therefore having different methods of adjustment and inspection. All these things lead to the conclusion that if we are to introduce a unified system of measuring labor productivity, we should look at productivity as a multiple of two factors, which are:

- (1) "Performance", which refers to how efficiently or inefficiently a worker is doing his job.
- (2) "Method", which refers to the level of the factory's production method, compared with the "standard production method" (described later).

6-2 The idea of "actual" and "standard"

Now, in order to measure, or evaluate, the performance and the method, we need two tools, or two types of standard time, which are:

- (1) "Actual net time", which refers to the time actually needed for a worker to perform his/her operation according to the given operation method adopted in his plant.
- (2) "Standard net time", which refers to the time needed to perform an operation with the standard production method, in other words, the most efficient production method among the well-established methods.

6-3 Definition of "actual" and "standard"

manufactures all kinds of products, from semi-conductors to professional-use broadcast equipments. So the idea of "standard production method" for an operation, may vary from a product category to another. Therefore, the definitions of "actual net time" and "standard net time" are established as follows:

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(1) Standard net time

The shortest possible time required for an operator to perform his/her operation in the most efficient manner, with the most efficient production system. Standard net time is established for every product/component, by the headquarters of the Business Group in charge. Standard net time can be used for comparison between the efficiencies of different plants and Business Groups.

(2) Actual net time

The shortest possible time required for an operator to perform his/her operation in the most efficient manner, with the given production method and equipment which are actually used in each of the factories. Actual net time is established for every product/component, by each factory.

Actual net time includes the time required for temporarily necessary operations.

Actual net time can be used for various activities within a plant, such as operator performance measurement, evaluation of efficiency improvement activities, process designing & control, production planning & control.

7. Productivity index

7-1 Basic ways of thinking about productivity

Among the various indexes used for expressing productivity are labor productivity, equipment productivity, added-value productivity, per capital productivity, and many others. However, this Labor Productivity Measurement System deals only with labor productivity indexes, and these indexes all have a common form, which is:

$$\text{Labor productivity} = \frac{\text{Normal hours} \times 100\%}{\text{Work hours}}$$

The divisor, "work hours", is, in one word, the input. It differs from one index to another, but are all defined in Clause 5 of this standard. The dividend, "normal hours", is the output of operation. The two different types of normal hours is explained in the next section.

7-2 "Manufacture normal hours" and "headquarter normal hours"

(1) The two types of normal hours

Normal hours can be expressed as a multiple of two factors, which are:

$$\text{Normal hours} = \Sigma (NT \times NU)$$

in which; NT : Net time required for each unit (product/component) to go through a certain manufacturing process.

NU : Number of units that have been processed that sent to the next process as a non-defective product/component.

We are using two types of normal hours in this text, which are:

a) Manufacture normal hours

Normal hours with actual net time as the basis for its calculation. Manufacture normal hours is used for calculating "operator efficiency" (described in the next section).

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Manufacture normal hours 103
 = Σ (manufacture normal hours of each manufacturing process)
 = Σ (actual net time of each process x number of non-defective units
 manufactured by each process)
 = Σ (actual net time) x "number of units manufactured"

- b. Headquarter normal hours
 Normal hours with standard net time as the basis for its calculation.
 Headquarter normal hours is used for calculating "operational
 productivity" and "total operational productivity" (described in the
 next section).

Headquarter normal hours = "standard net time" x "number of units manufactured"

- (2) "Number of units manufactured" is calculated by adding the number of
 non-defective products/components completed by each manufacturing, and
 expressing the total number in terms of the number of finished products,
 using the equation below:

$$\text{Number of units manufactured} = \frac{\text{Manufacture normal hours}}{\Sigma (\text{actual net time of each process})}$$

The number of units manufactured is calculated using as a basis, the
 number of non-defective products of each manufacturing process. However,
 when this "number of non-defective products" is impossible to obtain, you
 can use as a substitute, "the number of products sent to the next
 process".

7-3 Sony standard labor productivity indexes

We apply as a standard in all divisions of Sony, the following three
 indexes for the measurement of labor productivity.

(1) Operator efficiency

This index shows the efficiency of a manufacturing process or a line, by
 comparing actual operating work hours with manufacture normal hours.

$$\text{Operator efficiency} = \frac{\text{Manufacture normal hours}}{\text{Actual operating work hours}} \times 100\%$$

Operator efficiency can be used by line supervisors and chief operators
 for a wide range of activities.

Operator efficiency shows, basically, the efficiency of the operators
 involved. However, such factors of efficiency-loss like the loss of
 balance and empty pallets on the line, may also affect operator
 efficiency.

(2) Operational productivity

Operational productivity shows the efficiency of a production line, by
 comparing production hours with headquarter normal hours.

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$$\text{Operational productivity} = \frac{\text{Headquarter normal hours}}{\text{Production hours}} \times 100\%$$

$$= \frac{\text{Standard Number of units}}{\text{net time} \times \text{manufactured}} \times 100\%$$

$$\text{Production hours}$$

$$\frac{\text{Actual Number of units}}{\text{net time} \times \text{manufactured}} \times \frac{\text{Standard}}{\text{net time}} \times 100\%$$

$$\text{Production hours} \quad \text{Actual net time}$$

In the above equation, "actual net time divided by production hours" shows the performance of the operators in the line, whereas "standard net time divided by actual net time" shows the level of the production method used in that line, in comparison with the "standard production method".

Operational productivity can be used mainly by production managers, assistant managers and line supervisors for a wide range of activities. It can also be utilized by design divisions. Basically operational productivity shows the efficiency of a production line, but external factors may sometimes affect operational productivity. An example of such factors would be the idle time.

- (3) Total This index shows the over-all efficiency of the manufacturing division of a factory, by comparing total available hours with headquarter normal hours.

$$\text{Total operational productivity} = \frac{\text{Headquarter normal hours}}{\text{Total available hours}} \times 100\%$$

$$= \frac{\text{Standard Number of units}}{\text{net time} \times \text{manufactured}} \times 100\%$$

$$\text{Total available hours}$$

$$= \frac{\text{Actual Number of units}}{\text{net time} \times \text{manufactured}} \times \frac{\text{Standard}}{\text{net time}} \times 100\%$$

$$\text{Total available hours} \quad \text{Actual net time}$$

In the above equation, "actual net times the number of units manufactured divided by total available hours" shows the performance of the manufacturing division as a whole, "Standard net time divided by actual net time" shows the level of the plant's production method in comparison with the "standard production method".

Total operational productivity can be used by plant management, including plant managers, general managers and production managers, and other management staff involved.

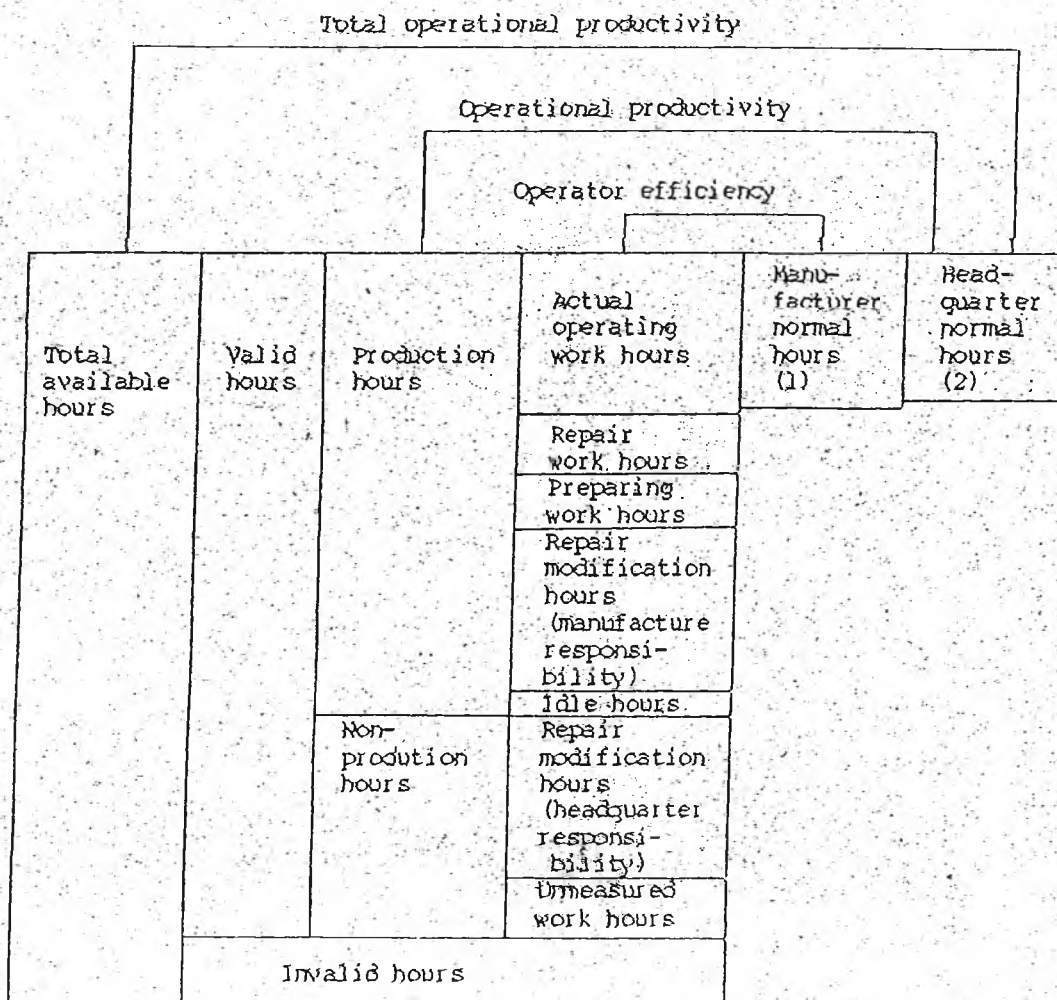
It would be interesting for them to look at total operational productivity in comparison with operational productivity, and see how the value of these two differs.

Basically, this index shows the efficiency of the manufacturing division as a whole, but external factors may sometimes affect this index, for instance, factors like repair modification hours (headquarter responsibility), and unmeasured work hours.

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7-4 The relation between labor productivity indexes, work hours, and normal hours 105

The relation between the above three are shown in the diagram below:



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COMMITTEE MEMBERS

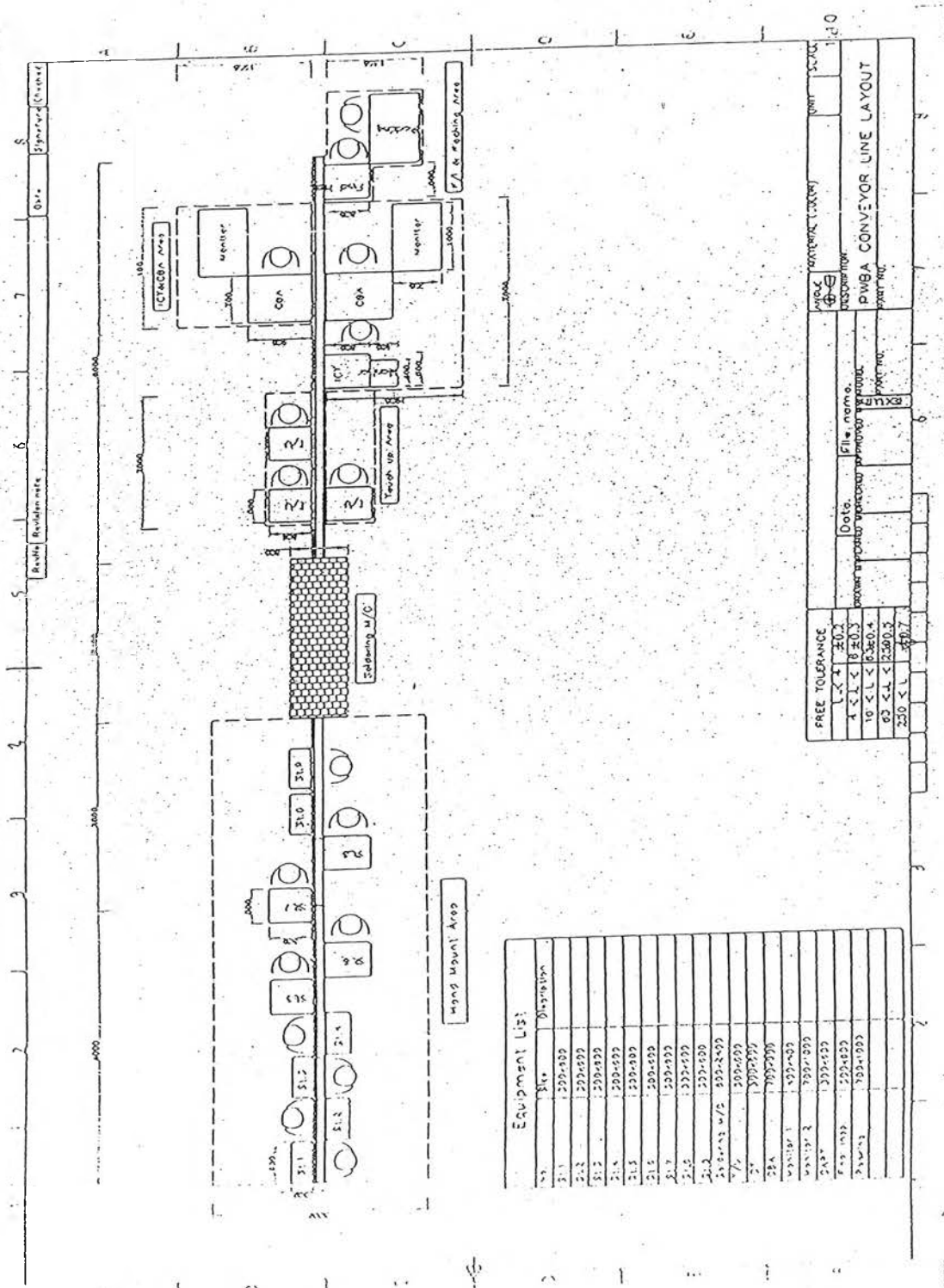
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Section		Standard Time Committee	Assembly Subcommittee
Chairman	Production Planning Div., Corporate Planning Group	Akihiko Nakamura	—
Person in charge	Audio Div., Audio Group	Kihei Yukawa	Kihei Yukawa
Members	Audio Group	—	Ryoichi Sakuma
	General Audio Div., Automotive Entertainment System Product Div.	—	Jiro Koide
	Product Engineering Dept., Consumer Video Group	Masaaki Namiki	Kazuo Yukawa
	Industrial Engineering Div., TV Group	Yasushi Uchida	Shigeki Tanaka
	Industrial Engineering Div., Display Device Group	Sueji Harajima	—
	Communication Products Group	Tsuneo Hayashi	Tsutomu Ohdate Akira Kobayashi
	Production Engineering Dept., Videocom Business Development Group	Toshio Sakurai	—
	Workstation Div., Supermicro Systems Group	Kohji Makino	Yoshikazu Ono
	Mechatronics Group	Sadao Takikawa	—
	NP Dept., Semiconductor Group	Kazuo Suzuki	—
	Component Group	Ryuhei Takenaka	—
	Human Resources	Yoshihiro Iwahara	Yoshihiro Iwahara
	Secretariat	Production Planning Div., Corporate Planning Group	Masami Kinugasa
Production Technology Center, Production Technology Group		Tetsuya Shibayama	Tetsuya Shibayama
		Yunosuke Hayakawa	Yunosuke Hayakawa
		Makoto Iwai	Makoto Iwai
	Masayuki Sakamoto	Masayuki Sakamoto	

Assembly Subcommittee		
Members	Ichinomiya	Hironitsu Tomita Terukazu Ohtake
	Kisarazu	Yasuo Iwase
	Kohda	Eizo Niikura
	Bonson	Katsumi Fukuda
	Tsukuba	Fushio Shimizu Masuo Hirakawa
	Tohoku Toyo	Keiichi Ito Kazuo Sasaki
	Nagano Toyo	Hiroyuki Tanaka
	Audio	Hiroki Ito

Remarks: The groups, divisions and departments are those to which the members belonged when they were engaged in drafting this standard.

Appendix 3.1 : Layout of PWBA Conveyor Belt



Equipment List:

Qty	Site	Description
1	200-102	
1	200-103	
1	200-104	
1	200-105	
1	200-106	
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1	200-199	
1	200-200	

FREE TOLERANCE

L < L < 10	±0.2
10 < L < 30	±0.3
30 < L < 100	±0.4
100 < L < 300	±0.5
300 < L < 1000	±0.7

FREE TOLERANCE

10 < L < 30	±0.3
30 < L < 100	±0.4
100 < L < 300	±0.5
300 < L < 1000	±0.7

PWBA CONVEYOR LINE LAYOUT

Scale: 1:100

Appendix 3.2 : Master BOM

P/N (MPF105) P: 001 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model	
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)	
B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP				EXPLS SEP-NO ECN-NO
11 C-4036-284-1		1		PACKING INSTR, D MOUNT
EE	-R--		Z---- YX030112	
11 1-101-821-91	M	2	C6683,6684	CAP, CERAMIC 2200PF E
26713	-1A-			P--C- YX090537 KVB32476
11 1-102-030-91	M	3	C6808,6809,6856	CAP, CERAMIC 330PF B
26713	-1A-			P--C- YX040160
11 1-102-114-91	M	2	C6804,6805	CAP, CERAMIC 470PF B
18848	-1A-			P--C- AA751251
11 1-102-129-91	M	4	C6636,6637,6700	CAP, CERAMIC 10000PF B
	-1A-			P--C- AA751251
11 (A)	M	0	6709	
				P--C- AA751251
11 1-102-228-91	M	5	C6639,6727,6831	CAP, CERAMIC 470PF B
26713	-1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 002 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model	
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)	
B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP				EXPLS SEP-NO ECN-NO
11 (A)	M	0	6834,6835	
				P--C- AA751251
11 1-104-660-91	M	3	C6671,6672,6841	CAP, ELECT 47MF/16V
B6193	-1A-			P--C- KV880892
11 1-104-662-91	M	1	C6642	CAP, ELECT 22MF
B6193	-1A-			P--C- KVB30749
11 1-104-664-91	M	3	C6635,6647,6801	CAP, ELECT 47MF
B6193	-1A-			P--C- AA751251
11 1-104-665-91	M	2	C6658,6659	CAP, ELECT 100MF
B6193	-1A-			P--C- AA751251
11 1-107-368-51		2	C6810,6811	CAP, PETP FILM 0.047MF
C5759	-1--			P--C- AA751251
10 1-107-565-11	S	1	C6607	CAP, FILM 0.33MF
02 GC D6717	-1--			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 003 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	1-107-655-91		1	C6830	CAP, ELECT 47MF P--C- YX040160
	D6993	-1A-			
11	1-107-678-91	M	1	C6652	CAP, ELECT 4.7MF P--C- YX0Y0689 KVB32077
	D6993	-1A-			
11	1-107-974-91		1	C6655	CAP, CERAMIC 47PF SL P--C- YX040160
	D5520	-1A-			
11	1-110-175-81	M	1	C6708	CAP, POLYESTER FILM 0.1MF P--C- AA751251
	GC 80824	-1A-			
11	1-110-179-81	M	1	C6706	CAP, POLYESTER FILM 0.22MF P--C- AA751251
	GC 80824	-1A-			
11	1-110-182-81	M	1	C6837	CAP, POLYESTER FILM 0.022MF P--C- AA751251
	GC 80824	-1A-			
11	1-110-329-81	M	1	C6710	CAP, POLYESTER FILM 0.47MF P--C- AA751251
	GC 80824	-1A-			

-CONTINUE INQUIRY

P/N (MPF105) P: 004 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	1-110-626-41		1	C6630	CAP, ELECT 330MF P--C- YYA00566
	D6993	-1--			
11	1-115-352-81		1	C6827	CAP, PP FILM (S) 0.1MF P--C- YX040162
	J8308	-1A-			
11	1-115-513-21		1	C6844	CAP, PP FILM (S) 0.18MF P--C- KV880657
	J8308	-1--			
11	1-115-514-21		1	C6825	CAP, PP FILM (S) 0.22MF P--C- KV880657
	J8308	-1--			
11	1-115-520-81		1	C6826	CAP, PP FILM (S) 0.68MF 250V P--C- YX040162
	J8308	-1A-			
11	1-117-641-11		1	C6814	CAP, METALIZED PP FILM 7500PF P--C- AA751251
	L5295	-1--			
11	1-117-659-11		1	C6824	CAP PP FILM(S) 0.1MF P--C- AA751251
		--1-			

-CONTINUE INQUIRY

P/N (MPF105) P: 005 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1-	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 1-117-753-11		1	C6661	CAP, ELECT 470MF
	-1-			P--C- AA751251
11 1-117-836-11		1	C6815	CAP, METALIZED PP FILM 6800PF
1.5295	-1-			P--C- AA751251
11 1-119-888-51		2	C6605,6606	CAP, CERAMIC 2200PF E
J7194	-1-			P--C- AA751251
11 1-123-024-51		1	C6836	CAP, ELECT (H.R) 33MF
79576	-1-			P--C- YX070386
11 1-125-893-11		4	C6817,6818,6819	CAP, METALIZED PP FILM 680PF
1.5295	-1-	3		P--C- AA751251
11 (A)		0	6820	
				P--C- AA751251
11 1-126-767-91	M	1	C6604	CAP, ELECT 1000MF
B6193	-1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 006 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1-	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 1-126-933-91	M	3	C6603,6667,6668	CAP, ELECT 100MF
B6193	-1A-			P--C- AA751251
11 1-126-936-31		1	C6628	CAP, ELECT 3300MF
B6193	-1A-			P--C- YX040160
11 1-126-941-91	M	3	C6657,6832,6833	CAP, ELECT 470MF
B6193	-1A-			P--C- AA751251
11 1-126-955-51		2	C6631,6632	CAP, ELECT 4700MF
B6193	-1-			P--C- YX040160
11 1-126-960-91	M	2	C6802,6803	CAP, ELECT 1.0MF
B6193	-1A-			P--C- AA751251
11 1-126-964-91	M	1	C6681	CAP, ELECT 10MF
B6193	-1A-			P--C- KVB30749
11 1-126-965-91	M	1	C6649	CAP, ELECT 22MF
B6193	-1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 007 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	1-126-967-91	M	2	C6641,6656	CAP, ELECT 47MF
	B6193	-1A-			P--C- AA751251
11	1-126-968-91	M	3	C6624,6653,6704	CAP, ELECT 100MF
	B6193	-1A-			P--C- AA751251
11	1-127-680-91	M	1	C6829	CAP, PP FILM 4700PF
	40854	-1A-			P--C- AA751251
11	1-127-681-91	M	1	C6828	CAP, PP FILM 10000PF
	40854	-1A-			P--C- AA751251
11	1-127-802-51		2	C6600,6612	CAP, CERAMIC 10000RF F
	J7194	-1--			P--C- KVB31536
11	1-128-527-91	M	2	C6703,6705	CAP, ELECT 330MF
	C5658	-1A-			P--C- AA751251
11	1-128-548-61		1	C6629	CAP, ELECT 4700MF
		-1--			P--C- YX060326

-CONTINUE INQUIRY

P/N (MPF105) P: 008 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	1-129-898-91	M	1	C6853	CAP, PP FILM 0.0022MF
	25641	-1A-			P--C- KV809533
11	1-130-785-71	M	1	C6857	CAP, METALIZED FILM 0.47MF
	74900	-1A-			P--C- AA751251
11	1-136-485-81	M	1	C6664	CAP, METALIZED FILM 0.01MF
	A1858	-1A-			P--C- AA751251
11	1-136-497-81	M	7	C6634,6662,6665	CAP, METALIZED FILM 0.1MF
	A1858	-1A-			P--C- AA751251
11	(A)	M	0	6666,6669,6670	
					P--C- AA751251
11	(B)	M	0	6677	
					P--C- AA751251
11	1-136-518-12	S	1	C6607	CAP, METALIZED FILM 0.33MF
	02 GC A2888	-1--			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 009 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	1-136-618-11		1	C6620	CAP, FILM 0.047MF
	A7825	-1--			P--C- AA751251
11	1-137-038-91	M	1	C6707	CAP, FILM 0.001MF
	B9348	-1A-			P--C- AA751251
11	1-137-050-91	M	1	C6855	CAP, FILM 0.022MF
	B9348	-1A-			P--C- AA751251
11	1-137-194-91	M	2	C6619,6623	CAP, METALIZED FILM 0.47MF
	A1858	-1A-			P--C- AA751251
11	1-137-196-91	M	2	C6618,6621	CAP, METALIZED FILM 0.68MF
	A1858	-1A-			P--C- AA751251
11	1-137-364-91	M	3	C6816,6861,6862	CAP, PETP FILM 0.001MF
	C5759	-1A-			P--C- AA751251
11	1-137-368-91	M	1	C6638	CAP, PETP FILM 0.0047MF
	C5759	-1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 010 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	1-137-370-91	M	2	C6680,6840	CAP, PETP FILM 0.01MF
	C5759	-1A-			P--C- AA751251
11	1-137-376-91	M	1	C6679	CAP, PETP FILM 0.1MF
	C5759	-1A-			P--C- AA751251
11	1-161-964-91		5	C6608,6609,6610	CAP, CERAMIC 4700PF F
	75840	-1A-			P--C- YX040160
11	(A)		0	6611,6651	
					P--C- YX040160
11	1-162-117-91	M	1	C6654	CAP, CERAMIC 100PF B
	26713	-1A-			P--C- AA751251
11	1-162-129-51		1	C6852	CAP, CERAMIC 150PF B
	78698	-1--			P--C- AA751251
11	1-162-131-51		1	C6851	CAP, CERAMIC 220PF B
	78698	-1--			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 011 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)
B/M CHILD-NO...	US	QTY	REMARKS
GRP HK SB-NO	UDCP		DESCRIPTION
11 1-162-131-91		1	C6812
78698	-1A-		EXPLS SEP-NO ECN-NO
11 1-162-134-91		1	C6813
78698	-1A-		CAP, CERAMIC 220PF B
11 1-164-625-91	M	5	C6616,6617,6622
	-1A-		P--C- YX040160
11 (A)	M	0	6626,6627
			CAP, CERAMIC 470PF B
10 1-202-968-11	S	2	R6601,6606
08	-1--		P--C- YX040162
11 1-202-968-31	S	2	R6601,6606
08	-1--		CAP, CERAMIC 680PF
11 1-202-972-91	M	1	R6833
30686	-1A-		P--C- AA751251
			P--C- AA751251
			RES, CEMENT 1.2
			P--C- YX060268 KVB32084
			RES, CEMENT 1.2
			P--C- YX060268 KVB32084
			RES, FUSE 1.0
			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 012 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)
B/M CHILD-NO...	US	QTY	REMARKS
GRP HK SB-NO	UDCP		DESCRIPTION
11 1-214-798-81	M	2	R6708,6709
48285	-1A-		EXPLS SEP-NO ECN-NO
11 1-214-905-81	M	1	R6838
48285	-1A-		RES, METAL FILM 1.8
11 1-214-915-81	M	1	R6802
48285	-1A-		P--C- AA751251
11 1-215-421-91	M	1	R6657
78654	-1A-		RES, METAL FILM 47K
11 1-215-429-91	M	1	R6683
78654	-1A-		P--C- KV880492
11 1-215-436-91	M	1	R6880
78654	-1A-		RES, METAL FILM 120K
11 1-215-437-91	M	2	R6701,6703
78654	-1A-		P--C- AA751251
			RES, METAL FILM (SMALL TYPE) 1.0K
			P--C- KV880765
			RES, METAL FILM (SMALL TYPE) 2.2K
			P--C- AA751251
			RES, METAL FILM (SMALL TYPE) 4.3K
			P--C- AA751251
			RES, METAL FILM (SMALL TYPE) 4.7K
			P--C- KV880456

P/N (MPF105) P: 013 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	1-215-440-91	M	1	R6801	RES, METAL FILM(SMALL TYPE)6.2K
	78654	-1A-			P--C- AA751251
11	1-215-441-91	M	3	R6667,6700,6702	RES, METAL FILM(SMALL TYPE)6.8K
	78654 -1A-				P--C- AA751251
11	1-215-445-91	M	1	R6692	RES, METAL FILM(SMALL TYPE)10K
	78654 -1A-				P--C- KY880567
11	1-215-447-91	M	1	R6682	RES, METAL FILM(SMALL TYPE)12K
	78654 -1A-				P--C- AA751251
11	1-215-449-91	M	2	R6686,6691	RES, METAL FILM(SMALL TYPE)15K
	78654 -1A-				P--C- YX090537 KVB32476
11	1-215-461-91	M	1	R6887	RES, METAL FILM(SMALL TYPE)47K
	78654 -1A-				P--C- AA751251
11	1-215-467-91	M	1	R6681	RES, METAL FILM(SMALL TYPE)82K
	78654 -1A-				P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 014 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	1-215-477-91	M	1	R6886	RES, METAL FILM(SMALL TYPE)220K
	78654	-1A-			P--C- AA751251
11	1-215-479-91	M	1	R6679	RES, METAL FILM(SMALL TYPE)270K
	78654	-1A-			P--C- AA751251
11	1-215-485-91	M	1	R6897	RES, METAL FILM(SMALL TYPE)470K
	78654	-1A-			P--C- KV880439
11	1-215-493-91	M	3	R6885,6898,6899	RES, METAL FILM(SMALL TYPE)1.0M
	78654	-1A-			P--C- KV880439
11	1-215-880-51		2	R6814,6815	RES, METAL OXIDE FILM 10
	84511	-1--			P--C- AA751251
11	1-215-888-51		1	R6707	RES, METAL OXIDE FILM 220
	84511	-1--			P--C- AA751251
11	1-215-895-51		1	R6812	RES, METAL OXIDE FILM 3.3K
	84511	-1--			P--C- KV880459

-CONTINUE INQUIRY

P/N (MPF105) P: 015 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP Description		Original Model		
A1640395A -1-- MOUNTED PWB, D		SV-6819(AEP)		
B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP				EXPLS SEP-NO ECN-NO.
11 1-215-919-51		2	R6837,6839	RES, METAL OXIDE FILM 2.2K
84511	-1--			P--C- KV880459
11 1-215-920-51		2	R6810,6813	RES, METAL OXIDE FILM 3.3K
84511	-1--			P--C- KV880459
11 1-215-926-51		1	R6649	RES, METAL OXIDE FILM 33K
84511	-1--			P--C- AA751251
11 1-216-361-51		2	R6816,6817	RES, METAL OXIDE FILM 0.22
84511	-1--			P--C- AA751251
11 1-216-369-51		2	R6613,6616	RES, METAL OXIDE FILM 1.0
84511	-1--			P--C- AA751251
11 1-216-434-51		1	R6832	RES, METAL OXIDE FILM 1.8K
84511	-1--			P--C- AA751251
11 1-216-461-51		1	R6811	RES, METAL OXIDE FILM 5.6K
84511	-1--			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 016 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP Description		Original Model		
A1640395A -1-- MOUNTED PWB, D		SV-6819(AEP)		
B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP				EXPLS SEP-NO ECN-NO.
11 1-216-486-51		4	R6856,6857,6858	RES, METAL OXIDE FILM 8.2K
84511	-1--			P--C- AA751251
11 (A)		0	6859	P--C- AA751251
11 1-217-193-11		1	R6632	RES, WIRE 0.27
31098	-1--			P--C- AA751251
11 1-218-265-91		1	R6656	RES, METAL GLAZE 8.2M
GC B0383	-1A-			P--C- YX040160
11 1-220-778-21		1	R6666	RES, NONFLAMMABLE FUSE
31467	-1--			P--C- AA751251
10 1-220-797-11	S	1	R6608	RES, CEMENT 0.47
09 C5772	-1-	3		P--C- YX060268 KVB32084
11 1-220-797-31	S	1	R6608	RES, CEMENT 0.47
09	-1--			P--C- YX060268 KVB32084

-CONTINUE INQUIRY

P/N (MPF105) P: 017 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 1-247-791-91 M	2	R6651,6705	RES, CARBON (SMALL) 22
77588 -1A-			P--C- AA751251
11 1-247-807-91 M	3	R6626,6684,6819	RES, CARBON (SMALL) 100
77588 -1A	9		P--C- KV880632
11 1-247-813-91 M	2	R6804,6805	RES, CARBON (SMALL) 180
77588 -1A-			P--C- KV880632
11 1-247-817-91 M	1	R6647	RES, CARBON (SMALL) 270
77588 -1A-			P--C- AA751251
11 1-247-819-91 M	2	R6806,6807	RES, CARBON (SMALL) 330
77588 -1A-			P--C- KV880592
11 1-247-823-91 M	1	R6669	RES, CARBON (SMALL) 470
77588 -1A-			P--C- AA751251
11 1-247-829-91 M	1	R6639	RES, CARBON (SMALL) 820
77588 -1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 018 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 1-247-831-91 M	8	R6630,6640,6676	RES, CARBON (SMALL) 1.0K
77588 -1A-			P--C- KV880424
11 (A)	0	6677,6678,6685	P--C- KV880424
11 (B)	0	6688,6854	P--C- KV880424
11 1-247-833-91 M	1	R6711	RES, CARBON (SMALL) 1.2K
77588 -1A-			P--C- AA751251
11 1-247-839-91 M	4	R6604,6637,6653	RES, CARBON (SMALL) 2.2K
77588 -1A-			P--C- KV880683
11 (A)	0	6803	P--C- KV880683
11 1-247-843-91 M	3	R6689,6710,6840	RES, CARBON (SMALL) 3.3K
77588 -1A-			P--C- KV880457

-CONTINUE INQUIRY

P/N (MPF105) P: 019 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO....	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 1-247-847-91	M	3	R6619,6624,6631	RES, CARBON (SMALL) 4.7K
77588	-1A-			P--C- AA751251
11 1-247-853-91	M	1	R6668	RES, CARBON (SMALL) 8.2K
77588	-1A-			P--C- KVB31514
11 1-247-855-91	M	8	R6625,6627,6633	RES, CARBON (SMALL) 10K
77588	-1A-			P--C- KVB31514
11 (A)	M	0	6644,6646,6655	P--C- KVB31514
11 (B)	M	0	6690,6843	P--C- KVB31514
11 1-247-857-91	M	1	R6603	RES, CARBON (SMALL) 12K
77588	-1A-			P--C- AA751251
11 1-247-859-91	M	1	R6687	RES, CARBON (SMALL) 15K
77588	-1A-			P--C- KV880492

-CONTINUE INQUIRY

P/N (MPF105) P: 020 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO....	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 1-247-861-91	M	1	R6836	RES, CARBON (SMALL) 18K
77588	-1A-			P--C- KV880492
11 1-247-863-91	M	3	R6602,6648,6845	RES, CARBON (SMALL) 22K
77588	-1A9			P--C- KV880433
11 1-247-879-91	M	2	R6844,6888	RES, CARBON (SMALL) 100K
77588	-1A-			P--C- AA751251
11 1-247-895-91	M	2	D6810,R6638	RES, CARBON (SMALL) 470K
77588	-1A-			P--C- KV880683
11 1-249-383-91	M	1	R6704	RES, CARBON (SMALL) 1.5 1/4W 5%
	-1A-			P--C- AA751251
11 1-249-389-91	M	3	R6642,6652,6706	RES, CARBON (SMALL) 4.7 1/4W 5%
	-1A-			P--C- KV880604
11 1-249-405-91	M	1	R6818	RES, CARBON (SMALL) 100
77247	-1A-			P--C- KV880602

-CONTINUE INQUIRY

P/N (MPF105) P: 021 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 1-249-417-91 M	2	R6605,6643	RES, CARBON (SMALL) 1K
77247 -1A-			P--C- AA751251
11 1-249-443-91	3	R6620,6895,6896	RES, CARBON 0.47
77247 -1A-			P--C- YX040160
11 1-260-123-91 M	4	R6842,6851,6852	RES, CARBON (SMALL TYPE) 100K
A3848 -1A-			P--C- AA751251
11 (A) M	0	6853	
			P--C- AA751251
11 1-260-124-91 M	1	R6831	RES, CARBON (SMALL TYPE) 120K
A3848 -1A-			P--C- AA751251
11 1-260-125-91 M	4	R6611,6612,6614	RES, CARBON (SMALL TYPE) 150K
A3848 -1A-			P--C- AA751251
11 (A) M	0	6615	
			P--C- AA751251

-CONTINUE INQUIRY-

P/N (MPF105) P: 022 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 1-260-127-91 M	1	R6641	RES, CARBON (SMALL TYPE) 220K
-1--			P--C- AA751251
11 1-260-129-91 M	2	R6628,6629	RES, CARBON (SMALL TYPE) 330K
A3848 -1A-			P--C- AA751251
11 1-260-131-91 M	1	R6645	RES, CARBON (SMALL TYPE) 470K
A3848 -1A-			P--C- AA751251
11 1-260-288-51	2	R6835,6834	RES, CARBON 0.47
D0877 -1--			P--C- YX090537 KVB32476
11 1-260-340-51	2	R6808,6809	RES, CARBON 10K
D0877 -1--			P--C- AA751251
11 1-406-659-21 M	2	LF6603,6604	COIL, CHOKE 10UH
D4646 -1A-			P--C- KV880416
11 1-406-674-21 M	1	LF6851	COIL, CHOKE 3.3MMH
D4646 -1A-			P--C- AA751251

-CONTINUE INQUIRY-

P/N (MPF105) P: 023 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO. US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO
11 1-406-985-11	1	LF6801	COIL, CHOKE 2.2MMH
D7293 -1--			P--C- AA751251
11 1-408-947-21	1	L6805	MICRO INDUCTOR(EL TYPE) 2.2MMH
75946 -1A-			P--C- AA751251
11 1-410-396-51	2	FB6602,6603	FERRITE BEAD INDUCTOR 0.45UH
89039 -1A-			P--C- AA751251
11 1-410-397-21	1	L6807	FERRITE BEAD INDUCTOR
89039 -1A-			P--C- YX060292
11 1-412-519-41	2	L6801,6802	MICRO INDUCTOR 3.3UH
C2839 -1A-			P--C- KV880566
11 1-412-523-41	1	L6605	MICRO INDUCTOR 6.8UH
C2839 -1A-			P--C- KVB30501
11 1-412-524-41	1	L6700	MICRO INDUCTOR 8.2UH
C2839 -1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 024 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO. US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO
11 1-412-525-41	2	L6604,6606	MICRO INDUCTOR 10UH
C2839 -1A-			P--C- KVB30501
11 1-412-533-41	1	L6803	MICRO INDUCTOR 47UH
C2839 -1A-			P--C- YX0Y0653 KVB32371
11 1-414-183-31	1	L6651	MICRO INDUCTOR
D3233 -1A-			P--C- AA751251
11 1-431-616-11	1	T6600	TRANSFORMER, CONVERTER
L8608 -1--			P--C- AA751251
11 1-431-732-21	1	T6651	TRANSFORMER, CONVERTER (SRT)
L9810 -1--			P--C- KVB31105
11 1-433-487-11	1	T6852	TRANSFORMER, FERRITE (DFT)
N2833 -1--			P--C- KV880907
11 1-433-489-31	2	T6801,6802	TRANSFORMER, FERRITE (HDT)
EE N2830 -1--			P--C- KVB30658

-CONTINUE INQUIRY

P/N (MPF105) P: 025 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO.... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 1-433-516-11 N3766 -1--	1	T6601	TRANSFORMER, CONVERTER (PIT) P--C- AA751251
11 1-508-765-13 41297 -1--	1	CN6620	PIN, CONNECTOR (5MM PITCH) 3P P--C- KVA11173
11 1-508-766-13 41297 -1--	1	CN6500	PIN, CONNECTOR (5MM PITCH) 4P P--C- KVA11174
11 1-508-786-13 41297 -1--	1	CN6666	PIN, CONNECTOR (5MM PITCH) 2P P--C- KVA11172
11 1-535-143-11 42834 -1A-	M 52	D6804,JW6003	LEAD, JUMPER (10.0MM) P--C- KVB31037
11 (A) M	0	6012,6018,6035	P--C- KVB31037
11 (B) M	0	6042,6044,6049	P--C- KVB31037

-CONTINUE INQUIRY

P/N (MPF105) P: 026 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO.... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 (C) M	0	6051,6053,6054	P--C- KVB31037
11 (D) M	0	6055,6057,6059	P--C- KVB31037
11 (E) M	0	6060,6067,6068	P--C- KVB31037
11 (F) M	0	6073,6074,6080	P--C- KVB31037
11 (G) M	0	6082,6089,6091	P--C- KVB31037
11 (H) M	0	6092,6097,6098	P--C- KVB31037
11 (I) M	0	6106,6107,6111	P--C- KVB31037

-CONTINUE INQUIRY



P/N (MPF105) P: 027 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model	
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)	
B/M CHLD-NO... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 (J) M	0	6113,6115,6118	P--C- KVB31037
11 (K) M	0	6124,6131,6132	P--C- KVB31037
11 (L) M	0	6133,6134,6135	P--C- KVB31037
11 (M) M	0	6137,6144,6146	P--C- KVB31037
11 (N) M	0	6147,6148,6150	P--C- KVB31037
11 (O) M	0	6156,6161,6605	P--C- KVB31037
11 (P) M	0	6703,6704,6804	P--C- KVB31037

-CONTINUE INQUIRY

P/N (MPF105) P: 028 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No. UDCP	Description	Original Model	
A1640395A -1--	MOUNTED PWB, D	SV-6819(AEP)	
B/M CHLD-NO... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 (Q) M	0	6805,R6635	P--C- KVB31037
11 1-535-143-21 M	9	JW6019,6030,6033	LEAD, JUMPER (12.5MM)
42834 -1A-			P--C- YX090537 KVB32476
11 (A) M	0	6079,6103,6104	P--C- KVB30764
11 (B) M	0	6110,6114,6800	P--C- KVB30764
11 1-535-143-31 M	18	JW6014,6016,6017	LEAD, JUMPER (15.0MM)
42834 -1A-			P--C- YX090537 KVB32476
11 (A) M	0	6020,6045,6069	P--C- KVB30764
11 (B) M	0	6070,6075,6101	P--C- KVB30764

-CONTINUE INQUIRY

P/N (MPF105) P: 029 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION	
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.	
11	(C)		M	0	6105,6108,6112	P--C- KVB30764
11	(D)		M	0	6139,6143,6154	P--C- KVB30764
11	(E)		M	0	6160,6162,6604	P--C- YX090537 KVB32476
11	1-535-143-41		M	5	JW6032,6062,6063	LEAD, JUMPER (17.5MM)
	42834		-1A-			P--C- KV880583
11	(A)		M	0	6064,6065	P--C- KV880583
11	1-535-143-51		M	10	JW6039,6040,6043	LEAD, JUMPER (20.0MM)
	42834		-1A-			P--C- KVB31497
11	(A)		M	0	6071,6076,6077	P--C- KVB31497

-CONTINUE INQUIRY

P/N (MPF105) P: 030 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION	
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.	
11	(B)		M	0	6128,6159	P--C- KVB31497
11	(C)		M	0	R6820,6821	P--C- KVB31497
11	1-535-143-61		M	37	JW6006,6008,6009	LEAD, JUMPER (5.0MM)
	42834		-1A-			P--C- YX0Y0689 KVB32077
11	(A)		M	0	6025,6027,6056	P--C- KVB31175
11	(B)		M	0	6058,6078,6084	P--C- KVB31175
11	(C)		M	0	6085,6086,6087	P--C- KVB31175
11	(D)		M	0	6088,6093,6094	P--C- KVB31175

-CONTINUE INQUIRY

P/N (MPF105) P: 031 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1-	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO.	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	(E)	M	0	6095,6099,6100	P--C- KVB31175
11	(F)	M	0	6122,6130,6136	P--C- KVB31175
11	(G)	M	0	6140,6145,6151	P--C- KVB31175
11	(H)	M	0	6155,6608,6609	P--C- KVB31175
11	(I)	M	0	6610,6611	P--C- YX090537 KVB32476
11	(J)	M	0	6621,6622	P--C- YX090537 KVB32476
11	(K)	M	0	JW"A",C6682	P--C- YX0Y0689 KVB32077

-CONTINUE INQUIRY

P/N (MPF105) P: 032 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1-	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO.	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	(L)	M	0	1.6806,6851	P--C- YX070378
11	(M)	M	0	R6891,6892	P--C- YX070378
11	1-535-143-71	M	13	JW6004,6005,6011	LEAD, JUMPER (7.5MM)
	42834	-1A-			P--C- KVB30764
11	(A)	M	0	6013,6015,6022	P--C- KVB30764
11	(B)	M	0	6029,6052,6081	P--C- KVB30764
11	(C)	M	0	6121,6152,6038	P--C- YX090537 KVB32476
11	(D)	M	0	6163	P--C- KVB30764

-CONTINUE INQUIRY

P/N (MPF105) P: 033 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP				EXPLS SEP-NO ECN-NO.
11 1-535-274-11	M	7	JW6007,6010,6023	LEAD, JUMPER (25MM)
42834	-1A-			P--C- KV880583
11 (A)	M	0	6072,6129,6141	P--C- KV880583
11 (B)	M	0	6149	P--C- KV880583
11 1-671-103-43	M	1		PWB,D
G5601	-1--			P--C- YX090537 KVB32476
11 1-691-291-11		1	CN6700	PIN, CONNECTOR (PC BOARD) 5P
C2904	-1-			P--C- AA751251
11 1-691-960-11		1	CN6644	PIN, CONNECTOR (PC BOARD) 3P
C2904	-1--			P--C- YX090537 KVB32476
11 1-695-299-12		1	CN6600	CONNECTOR, BOARD TO BOARD 50P
GC D0660	-1--			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 034 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP				EXPLS SEP-NO ECN-NO.
11 1-695-915-21	M	4	CN6622	TAB (CONTACT)
D2545	-1A-			P--- YX040162
11 (A)	M	0	CN6655	P--- YX040162
11 (B)	M	0	CN6699(A)	P--- YX040162
11 (C)	M	0	CN6699(B)	P--- YX040162
11 1-755-167-11		1	RY6602	RELAY, AC POWER
L2945	-1--			P--C- KV880432
11 1-755-266-11		1	RY6601	RELAY, AC POWER
N1584	-1--			P--C- KV880432
11 1-785-270-12		1	CN6611	PIN, DY CONNECTOR (PC BOARD)
N2448	-1--			P--C- KV807256

-CONTINUE INQUIRY

P/N (MPF105) P: 035 ** PCL RETRIEVAL ** D293 01.02.22 17.54

Parent-No.	UDCP	Description	Original Model		
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)		
B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION	
GRP HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.	
11	1-785-802-11		3	CN6100,6101,6102	PIN, CONNECTOR (WITH PWB) 20P
	N9086	-1--			P--C- KV880900
11	1-801-549-21	M	1	PS6603	PROTECTOR, MODULE
	L3506	-1A-			P--C- KV880522
11	1-801-550-21	M	3	PS6601,6602,6604	PROTECTOR, MODUL
	L3506	-1A-			P--C- KV880892
11	1-803-586-11		1	TH6660	THERMISTOR, NTC
	D9551	-1--			P--C- YX090537 KVB32476
11	1-809-827-11	S	1	TH6600	THERMISTOR, POSITIVE
	01 D1047	-1--			P--C- AA751251
10	1-809-827-21	S	1	TH6600	THERMISTOR, POSITIVE
	01 D1047	-1--			P--C- AA751251
11	1-810-035-21	M	1	TH6700	THERMISTOR
	A5297	-1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 036 ** PCL RETRIEVAL ** D293 01.02.22 17.54

Parent-No.	UDCP	Description	Original Model		
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)		
B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION	
GRP HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.	
11	1-810-051-11		1	1C6600	POWER MODULE DM-48
	D3875	-1--			P--C- AA751251
11	4-036-629-71		1	Q6804(1)	HEAT SINK (V)
		-1--			P--C- YX0120092 KVB32004
11	4-050-638-11		1	T6601(1)	CASE, SHIELD
		-1--			P--C- YX0X0598 KVB32004
11	4-063-946-31		4	1C6653(1)	HEAT SINK
		-1--			P--C- YX0X0598 KVB32004
11	(A)		0	1C6652(1)	
					P--C- YX0X0598 KVB32004
11	(B)		0	D6616(1)	
					P--C- YX0X0598 KVB32004
11	(C)		0	Q6851(1)	
					P--C- YX0X0598 KVB32004

-CONTINUE INQUIRY

P/N (MPF105) P: 037 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION	EXPLS	SEP-NO	ECN-NO
GRP	HK	SB-NO	UDCP					
11	4-077-922-01		1/80		BASE TRAY			
	EE	-R--			P--C- YX030112			
11	4-077-923-01		1/8		CARTON, SUB			
	EE	-R--			P--C- YX030112			
11	4-077-924-01		1/8		CUSHION			
	EE	-R--			P--C- YX030112			
11	4-077-925-01		1/8		SHEET, C.F.B.			
	EE	-R--			P--C- YX030112			
11	4-077-926-01		1		HOLDER (A)			
	EE	-R--			P--C- YX030112			
11	4-077-928-01		1/32		TRAY			
	EE	-R--			P--C- YX030112			
11	4-077-930-01		1		SPACER			
	EE	-R--			P--C- YX030112			

-CONTINUE INQUIRY

P/N (MPF105) P: 038 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION	EXPLS	SEP-NO	ECN-NO
GRP	HK	SB-NO	UDCP					
11	4-078-144-01		5/8		PARTITION (19-D-1)			
	EE	-R--			P--C- YX030112			
11	4-078-145-01		3/8		PARTITION (19-D-2)			
	EE	-R--			P--C- YX030112			
11	4-201-023-21		2	Q6851(1)	SPACER			
		-1--			P--B- YX040141			KVB31913
11	(A)		0	1C6700(1)				
					P--B- YX040141			KVB31913
11	4-202-373-11		1	1C6700(1)	SPRING, 1C			
		-1--			P--C- YX0X0598			KVB32004
11	4-202-694-11		2	D6617(1)	HEAT SINK (F), REG			
		-1--			P--C- YX0X0598			KVB32004
11	(A)		0	D6618(1)				
					P--C- YX0X0598			KVB32004

-CONTINUE INQUIRY

P/N (MPP105) P: 039 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	4-204-044-51		1	Q6803(1)	HEAT SINK V-OUT
		-1--			P--C- YX0X0598 KVB32004
11	4-204-518-21		1	IC6700(1)	HEAT SINK, AUDIO
		-1--			P--C- YX0120092 KVB32004
11	4-204-713-11		1	IC6604(1)	HEAT SINK, P/V
		-1--			P--C- YX0X0598 KVB32004
11	4-205-706-01		2	Q6806(1)	HEATSINK V-OUT
		-1--			P--C- YX0X0598 KVB32004
11	(A)		0	Q6805(1)	
					P--C- YX0X0598 KVB32004
11	4-341-751-01	M	84	EY6005,6006,6008	EYELET
	SS	-1A-			P--B- YX090537 KVB32476
11	(A)	M	0	6009,6011,6045	
					P--B- YX090537 KVB32476

-CONTINUE INQUIRY

P/N (MPP105) P: 040 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO
11	(B)	M	0	6021--6028	
					P--B- YX020055
11	(C)	M	0	6033--6040	
					P--B- YX020055
11	(D)	M	0	6042--6044	
					P--B- YX020055
11	(E)	M	0	6050--6062	
					P--B- YX020055
11	(F)	M	0	6068--6072	
					P--B- YX020055
11	(G)	M	0	6074--6078	
					P--B- YX020055
11	(H)	M	0	6080--6091	
					P--B- YX020055

-CONTINUE INQUIRY

P/N (MPF105) P: 041 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)
B/M CHILD-NO.... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 (I)	M	0 6099,6100,6103	P--B- YX020055
11 (J)	M	0 6112--6115	P--B- YX020055
11 (K)	M	0 6118--6131	P--B- YX020055
11 (L)	M	0 6105,6107,6046	P--B- YX020055
11 4-341-752-01	M	21 EY6017,6018,6019	P--B- YX090537 KVB32476
SS	-1A-		EYELET
11 (A)	M	0 6020,6063,6064	P--C- YX0X0620 KVB32787
11 (B)	M	0 6065,6066,6067	P--C- YX0X0620 KVB32787
			P--C- YX0X0620 KVB32787

-CONTINUE INQUIRY

P/N (MPF105) P: 042 ** PCL RETRIEVAL **

D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)
B/M CHILD-NO.... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO.
11 (C)	M	0 6073,6079,6093	P--C- YX0X0620 KVB32787
11 (D)	M	0 6094,6095,6096	P--C- YX0X0620 KVB32787
11 (E)	M	0 6097,6098,6104	P--C- YX0X0620 KVB32787
11 (F)	M	0 6106,6015,6016	P--C- YX0X0620 KVB32787
11 4-380-617-51		1 D6619(1)	P--C- YX0X0620 KVB32787
	-1--		HEAT SINK (A)
11 4-382-854-11		9 IC6653(1)	P--C- YX0X0598 KVB32004
SS	-1--		SCREW (M3X10), P, SW (+)
11 (A)		0 IC6652(1)	P--C- YX060290
			P--C- KVB00047

-CONTINUE INQUIRY

P/N (MPF105) P: 043 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-J--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	(B)		0	D6617(1)	P--C- KVB00047
11	(C)		0	D6618(1)	P--C- KVB00047
11	(D)		0	D6619(1)	P--C- KVB00047
11	(E)		0	D6616(1)	P--C- KVB00047
11	(F)		0	Q6805(1)	P--C- YX060290
11	(G)		0	Q6806(1)	P--C- YX060290
11	(H)		0	Q6851(1)	P--C- KVB00047

-CONTINUE INQUIRY

P/N (MPF105) P: 044 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-J--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	4-382-854-21		3	Q6803(1),6804(1)	SCREW (M3X14), P, SW (+)
	SS				P--C- YX060290
11	(A)		0	IC6604(1)	P--C- YX060290
11	7-432-912-46		3		HS F REG-AUDIO BOND, SONY (SC901)
	M0907				P--C- YX070387
11	(A)		0	(1),T6600(1)	P--C- YX070387
11	(B)		0		HS AUDIO-HSV(1)
					P--C- YX050214
11	7-600-002-38		697/8	SUBCARTON	TAPE, PP
	T-W-				P--C- YX080439
11	(A)		0	(697MM)(1)	P--C- YX080439

-CONTINUE INQUIRY

P/N (MPF105) P: 045 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1-	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO.... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO
11 7-662-001-91	13	IC6604(1)	GREASE, HEAT SINK (YG-6260)
M0665 G---			P--C- AA751251
11 (A)	0	IC6653(1)	P--C- AA751251
11 (B)	0	IC6652(1)	P--C- AA751251
11 (C)	0	D6617(1)	P--C- AA751251
11 (D)	0	D6618(1)	P--C- AA751251
11 (E)	0	D6619(1)	P--C- AA751251
11 (F)	0	D6616(1)	P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 046 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1-	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO.... US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO UDCP			EXPLS SEP-NO ECN-NO
11 (G)	0	Q6803(1)	P--C- AA751251
11 (H)	0	Q6804(1)	P--C- AA751251
11 (I)	0	IC6700(1)	P--C- AA751251
11 (J)	0	Q6851(1)	P--C- AA751251
11 (K)	0	Q6805(1)	P--C- AA751251
11 (L)	0	Q6806(1)	P--C- AA751251
10 8-598-851-01	1	T6804	FBT ASSY NX-4522
05			P--C- YX0Y0640 KVA23119

-CONTINUE INQUIRY

P/N (MPF105) P: 047 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-J--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
10	8-598-851-20	C	1	T6804	FBT ASSY NX-4522//C P--C- YX070392 KVB32424
	05	----			
11	8-598-851-40	C	1	T6804	FBT ASSY NX-4522//Q P--C- YX070392 KVB32424
	05	----			
10	8-598-851-50	C	1	T6804	FBT ASSY NX-4522//Z P--C- YX090530 KVB32621
	05	----			
11	8-719-053-41		1	D6617	DIODE D8LC40F P--C- AA751251
	S6312	-1--			
11	8-719-059-23	M	1	D6654	DIODE P6KE200AG23 P--C- AA751251
	U9129	-1A-			
11	8-719-060-45		2	D6616,6619	DIODE D10SC4M-F P--C- AA751251
	S8089	-1--			
11	8-719-063-73	M	5	D6601,6610,6653	DIODE D1NL20U-TR P--C- KV880895
	T2707	-1A9			

-CONTINUE INQUIRY

P/N (MPF105) P: 048 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-J--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP	HK	SB-NO	UDCP		EXPLS SEP-NO ECN-NO.
11	(A)	M	0	6656,6659	P--C- KV880895
11	8-719-068-00		2	D6651,6658	DIODE ERC04-06SE P--C- AA751251
	S2767	-1--			
11	8-719-079-50		1	D6618	DIODE RBV-402L P--H- YX040133
	V8043	-1--			
11	8-719-510-63		1	D6604	DIODE D4SB60L-F P--C- AA751251
	T3594	-1--			
11	8-719-510-73		2	D6807,6808	DIODE S3L20UF4 P--C- YX040160
	T6018	-1--			
10	8-719-920-32	S	2	D6700,6803	DIODE ERA15-02 P--C- KVB00029
	04 S6398	-1--			
11	8-719-920-35	S	2	D6700,6803	DIODE ERA15-02TP1 P--C- KVB00029
	04 S6398	-1A-			

-CONTINUE INQUIRY

P/N (MPP105) P: 049 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO
11 8-719-921-20	M	5	D6600,6603,6613	DIODE ISS119-25TD
S2485	-1A-			P--C- AA751251
11 (A)	M	0	6615,6623	
				P--C- AA751251
11 8-719-923-30	M	2	D6677,6678	DIODE MTZJ-T-77-4.7B
-1A9				P--C- AA751251
11 8-719-923-38	M	1	D6602	DIODE MTZJ-T-77-5.6B
S3225-1A9				P--C- AA751251
11 8-719-923-44	M	1	D6628	DIODE MTZJ-T-77-6.8
S3225-1A9				P--C- AA751251
11 8-719-923-78	M	1	D6652	DIODE MTZJ-T-77-12
S3225	-1A-			P--C- AA751251
11 8-719-923-88	M	2	D6701,6811	DIODE MTZJ-T-77-15B
S3225	-1A-			P--C- KV880683

-CONTINUE INQUIRY

P/N (MPP105) P: 050 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO
11 8-719-936-85	M	1	D6805	DIODE RGP10GPKG23
S3367	-1A-			P--C- KV880431
11 8-719-940-94	M	1	D6806	DIODE RGP15GPKG23
S3368	-1A-			P--C- AA751251
11 8-719-979-64	M	1	D6655	DIODE UF400SPKG23
T0006	-1A-			P--C- AA751251
11 8-719-981-47	M	2	D6851,6852	DIODE ERA38-06TP1
S8736-1A9				P--C- AA751251
11 8-719-983-34	M	1	D6627	DIODE MTZJ-T-77-33C
	-1A-			P--C- AA751251
11 8-719-991-33	M	13	D6605,6621,6622	DIODE ISS133T-77
S2489-1A9				P--C- KV880683
11 (A)	M	0	6624,6625,6626	
				P--C- KV880683

-CONTINUE INQUIRY

P/N (MPF105) P: 051 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 (B)	M	0	6629,6630,6631	P--C- KV880683
11 (C)	M	0	6676,6679,6681	P--C- KV880683
11 (D)	M	0	6809	P--C- KV880683
11 8-729-011-06		1	Q6851	P--C- KV880683
T6942	-1--			P--C- AA751251
11 8-729-026-40	M	4	Q6602,6651,6667	P--C- KV880683
S3873 -1A9				P--C- KV880683
11 (A)	M	0	6679	P--C- KV880683
11 8-729-029-57	M	1	Q6606	P--C- KV880683
U4199	-1A-			P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 052 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 8-729-029-67	M	4	Q6608,6611,6680	P--C- KV880444
U4199	-1A-			P--C- KV880444
11 (A)	M	0	6681	P--C- KV880444
11 8-729-029-87	M	1	Q6652	P--C- KV880444
U4199	-1A-			P--C- KVB30326
11 8-729-030-03	M	1	Q6807	P--C- KV880444
U4199	-1A-			P--C- AA751251
11 8-729-038-83		1	Q6805	P--C- AA751251
V0018 -J--				P--C- AA751251
11 8-729-039-68	S	1	Q6700	P--C- YX080490
10 -R--				P--C- KVB32570
11 8-729-045-40		1	IC6604	P--C- AA751251
V0401 -1--				P--C- AA751251

-CONTINUE INQUIRY

P/N (MPF105) P: 053 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
11 8-729-046-18	S	2	Q6803,6804	TRANSISTOR 2SC5480-01
11 EE V4485	-1--			P--C- YX0Y0642 KVB32812
11 8-729-046-47	M	2	Q6600,6605	TRANSISTOR KSC2500-BTA
V4034	-1A-			P--C- AA751251
11 8-729-047-59		1	Q6806	TRANSISTOR STP5NB40FP
EE -R-9				P--C- KV880695
10 8-729-055-09	S	2	Q6803,6804	TRANSISTOR 2SC5480
11 -R--				P--C- YX0Y0642 KVB32812
11 8-729-119-80		2	Q6801,6802	TRANSISTOR 2SC2688-LK
S4274	-1--			P--C- AA751251
11 8-729-900-95	M	5	Q6603,6607,6676	TRANSISTOR 2SC1740S-RT
S4206	-1A-			P--C- KV880683
11 (A)	M	0	6677,6678	P--C- KV880683

-CONTINUE INQUIRY

P/N (MPF105) P: 054 ** PCL RETRIEVAL ** D293 01.02.22 17:54

Parent-No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M CHILD-NO...	US	QTY	REMARKS	DESCRIPTION
GRP HK SB-NO	UDCP			EXPLS SEP-NO ECN-NO.
10 8-729-926-76	S	1	Q6700	TRANSISTOR IRF620
10 IT T1942	-1--			P--C- YX080490 KVB32570
10 8-759-069-28	S	1	IC6654	IC PQ05RF11
06 T7874	-1--			P--C- YX040167 KVB31915
11 8-759-192-71		1	IC6700 IC STV9379	
	-1--			P--C- AA751251
11 8-759-394-35		1	IC6652 IC BA12T	
V2067 -1-9				P--C- KV880615
11 8-759-439-61	M	2	IC6667,6676 IC TL431CZ	
-RA-				P--C- AA751251
11 8-759-468-89		1	IC6651 IC TOP209P	
V2541 -1-9				P--C- AA751251
10 8-759-513-73	S	1	IC6653 IC PQ09RF11	
07 T5639	-1--			P--C- YX040167 KVB31915

-CONTINUE INQUIRY

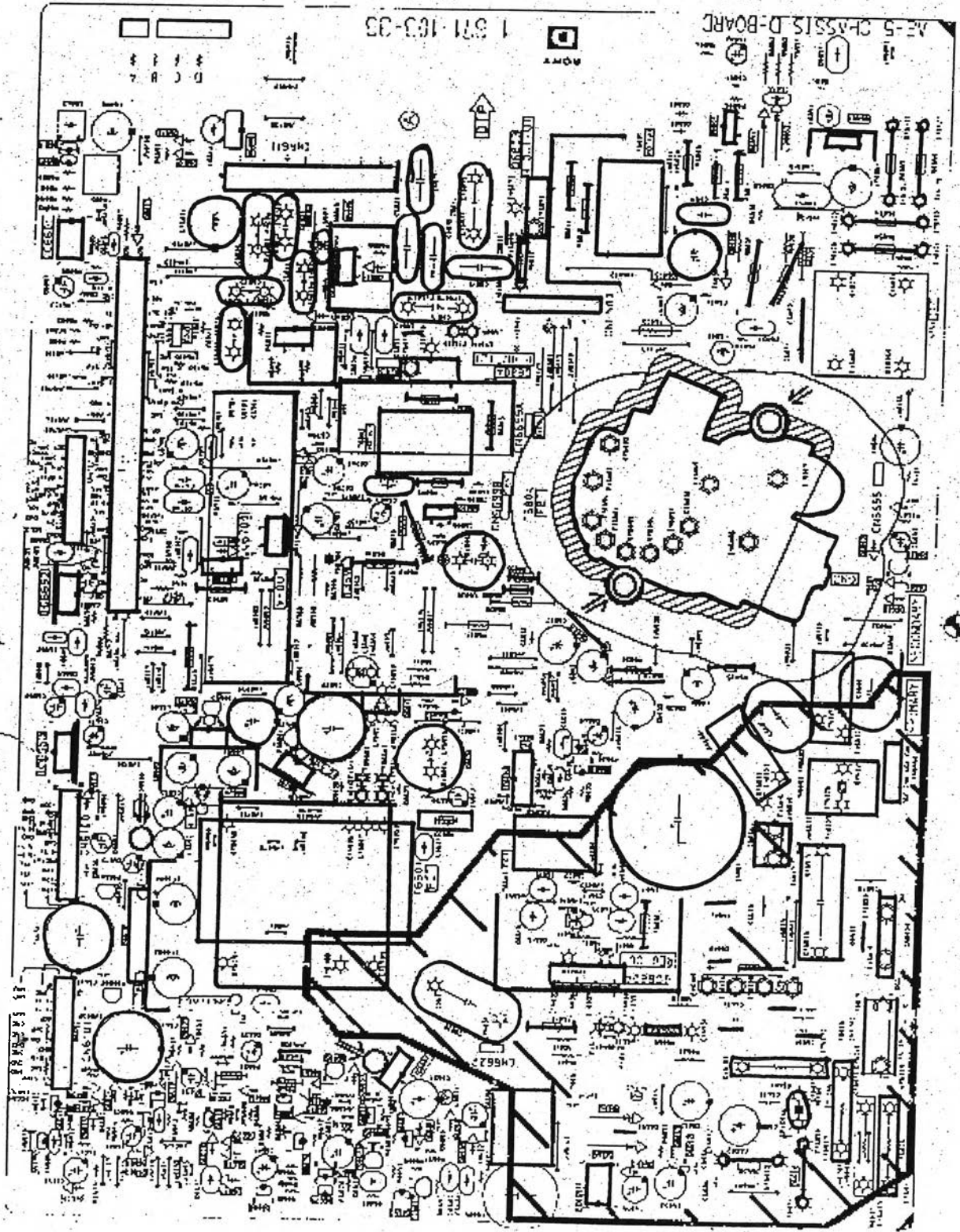
P/N (MPF105) P: 055 ** PCL RETRIEVAL ** D293 01.02.22 17.54

Parent No.	UDCP	Description	Original Model
A1640395A	-1--	MOUNTED PWB, D	SV-6819(AEP)

B/M	CHILD-NO	US	QTY	REMARKS	DESCRIPTION	EXPLS	SEP-NO	ECN-NO
11	8-759-574-76	S	1	IC6654 IC KA78R05-SYDTU				
	06 V4080	-1--			P--C- YX040167			KVB31915
11	8-759-574-77	S	1	IC6653 IC KA78R09-YDTU				
	07 V4080	-1--			P--C- YX040167			KVB31915
11	8-759-987-16		1	IC6801 IC LM393P				
	S9324	-1--			P--C-			AA751251

*** INQUIRY END ***

Appendix 3.3 : Marked-Up Map on Hand-Mount Parts



WORK INSTRUCTION Document level 3	Chassis : ..AE-5..... Model : 28FX60.....	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Documental
	Process : HAND MOUNT	Station : 1	2/10/00	เปลี่ยนจากการวางมือเป็นของ MAGAZINE เป็นเครื่องอัตโนมัติ	
Board : D	DCC # : W20164 ISSUE # : 1				
	Effective date : May 29, 2000				

Appendix 3.4 : Work Instruction of Hand Mount Process (Conveyor)

6
**** ก่อนใส่พาร์ทให้ตรวจดู สติกเกอร์บนบอร์ด ทุกบอร์ด****
จะต้องพิมพ์ " A1642270A "

CONTROLLED
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• เช็ทพาร์ทที่มีเบอร์ ID MARK ทุกกล่อง ก่อนใช้พาร์ท • สำหรับพาร์ท SAFETY เช็ทพาร์ทที่มีเบอร์, ID MARK, CCL# ID MARK อย่างเป็นทางการ 1 ตัว คือ 1กล่องต่อกล่อง ก่อนใช้ทุกครั้ง • ห้ามใช้พาร์ทที่ผิดหรือไม่ให้พาร์ทที่ผิดก่อนไว้บนถาดพาร์ทเก็บ • ให้เขียน/จับมือ บอร์ดด้วยความระมัดระวังที่บริเวณของบอร์ด ห้าม สัมผัสตัวอุปกรณ์บนบอร์ดและพยายามหลีกเลี่ยงการสัมผัสสายวงจรด้านข้างบอร์ด

SAFETY : พาร์ท SAFETY พาร์ทที่มีผลต่อความปลอดภัยของผลิตภัณฑ์ ## SAFETY OPERATION : ขั้นตอนการทำงานที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์ P : พาร์ทที่ต้องทำการ Prework △ : แสดงจุดที่เปลี่ยนแปลง การแก้ไข WI : พาร์ทที่ต้องระวังทิศทางในการประกอบบอร์ด

WORK INSTRUCTION Document level 3				Chassis : AE-5 Model : 28FX60 Process : HAND MOUNT Station : 1 Board : D				EFFECTIVE DATE : 13.10.00 DESCRIPTION : - ผลิตกรอบใส่หลอดที่ตำแหน่ง CN6644 ใช้ TH6660 ด้วย suffix : 43				REFERENCE : YK-080533		Original Document			
DCC # : W20164 ISSUE : 1 Effective date : May 29, 2000																	
1(L) CN6102		1(R) CN6600		2(L) CN6101		2(R) CN6100		3(L) C6827		3(R) C6819		4(L)		4(R) L6807			
1-785-802-11	20P	1-695-299-12	50P	1-785-802-11	20P	1-785-802-11	20P	1-115-352-81	PMV104J 250V	1-125-893-11	PH5681H 1500V			1-410-397-11	1.10UH		
5(L) R6632		5(R) C6825		6(L) R6613		6(R) IC6600		7(L) C6611		7(R) C6610		8(L) C6609		8(R) C6608			
1-217-193-11	0.27Ω	1-115-514-21	PMV224J 250V	1-216-369-51	1.0Ω	1-810-051-11	DM-48	1-161-964-91	472Z	1-161-964-91	472Z	1-161-964-91	472Z	1-161-964-91	472Z		
				หน้าตาหลอดทองทอง													
9(L) TH6660		9(R) C6651		10(L) T6600		10(R) D6651		11(L) CN6644		11(R) C6628							
1-803-586-11	M22007	1-161-964-91	472Z	1-431-616-11	616	8-719-068-00	C04-06	1-691-960-11	3P	1-126-936-31	3300μF 16V						
				#CCL: 616-XX													

เครื่องหมาย ID MARK ที่จุดต่อของชิ้นประกอบ - สำหรับ SAFETY เครื่องที่ติดตั้ง ID MARK, CCL ID MARK ต่อเนื่อง 1 ตัวต่อ 1 จุดต่อของหลอดไฟที่ติดตั้ง - ใช้สำหรับติดกับไฟหลอดที่จุดต่อ 1 จุดต่อของหลอดไฟ

1. ให้เขียน / กับ / กับ หรือด้วยวิธีการระบุวันที่มีการซ่อมบำรุง

รูป สัญลักษณ์รูปดาวบนหน้าของเครื่องและภาพการติดตั้งการเชื่อมต่อใด ๆ ใด ๆ ของตัวเครื่อง

SAFETY : สำหรับ SAFETY ที่ติดตั้งบนตัวเครื่องของผลิตภัณฑ์ # SAFETY OPERATION : ชิ้นประกอบ

ที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์ หมายเหตุ : หากมีเครื่องหมายที่ติดบนไฟ : ขอบเขต P : หากติดตั้งที่การ Network

△ : แสดงจุดที่เปลี่ยนแปลงเมื่อมีการแก้ไข

WORK INSTRUCTION
Document level 3

Chassis : AE-5 Model : 28FX60
Process : HAND MOUNT
Station : 1
Board : 0
DCC # : W20164 ISSUE # : 1
Effective date : May 29, 2000

EFFECTIVE DATE

17.10.00

DESCRIPTION

- หน้าที่และการทำงานของ IC 6600 บน CN 6644
- หน้าที่และการทำงานของ IC 6600 บน CN 6644

REFERENCE

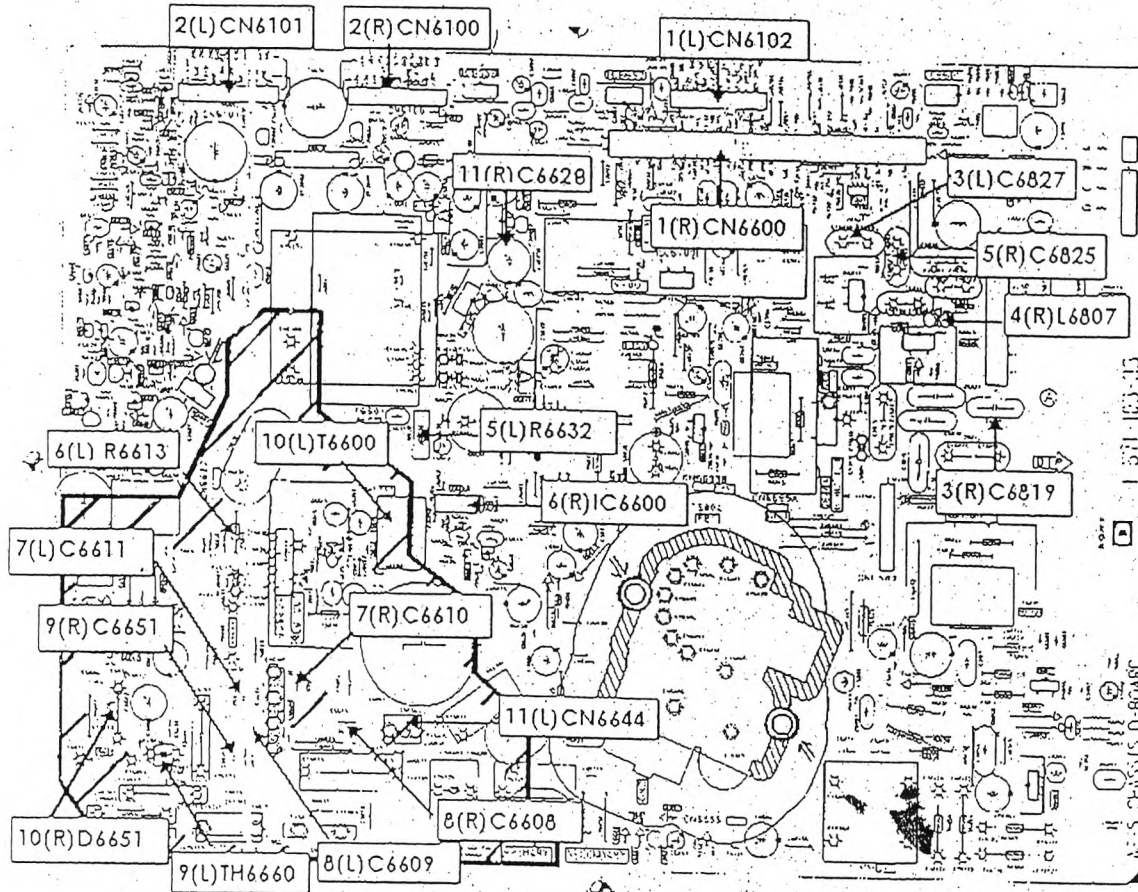
yx-090977

Original Document

ORIGINAL COPY

17 OCT 2000

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SAFETY OPERATION

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หากมีสัญลักษณ์ ID MARK หรือ MARK อื่นๆ ให้ดูที่สัญลักษณ์ SAFETY หรือสัญลักษณ์ ID MARK, CCL หรือ MARK อื่นๆ ที่ปรากฏบนบอร์ด หรือที่คู่มือ

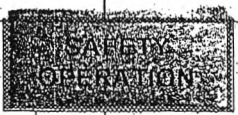
หากมีสัญลักษณ์ ID MARK หรือ MARK อื่นๆ ให้ดูที่สัญลักษณ์ SAFETY หรือสัญลักษณ์ ID MARK, CCL หรือ MARK อื่นๆ ที่ปรากฏบนบอร์ด หรือที่คู่มือ

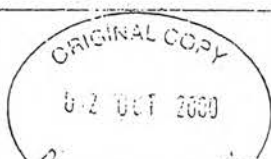








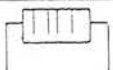

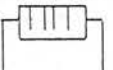
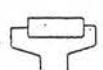
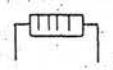


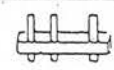




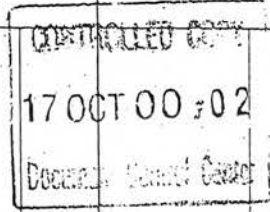
SAFETY OPERATION

PAGE 3 OF 13

WORK INSTRUCTION Document level 3		Chassis : AE-5 Model : 28EX60 Process : HAND MOUNT Station : 2 Board : D		EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
		DCC # : W20164 ISSUE # : 1 Effective date : May 29, 2000		17 OCT 2000	เปลี่ยนจากค่าเดิม R6834 เป็น 1-260-288-51	VX-080573	ORIGINAL COPY 17 OCT 2000
4(L) R6809	4(R) Q6700	3(L) R6895	3(R) R6896	2(L) C6815	2(R) C6844	1(L) C6812	1(R) R6817
1-260-340-51 10K น้ำตาลดำ ส้ม ทอง	B-729-039-68 IRF620 B-729-926-76	1-249-443-91 0.47Ω	1-249-443-91 0.47Ω	1-117-836-11 PH5482H 1500V	1-115-513-21 PMV184J 250V	1-162-131-91 221K	1-216-361-51 0.22Ω
8(L) IC6651	8(R) C6612	7(L) D6807	7(R) D6808	6(L) R6834	6(R) R6835	5(L) C6810	5(R) R6707
8-759-468-89 TOP2 09P	1-127-802-51 103	8-719-510-73 3LU	8-719-510-73 3LU	1-260-288-51 0.47Ω	1-260-288-51 0.47Ω	1-107-368-51 473K	1-215-888-51 220Ω แดง แดง น้ำตาล ทอง
		11(L) D6658	11(R) R6620	10(L) R6808	10(R)	9(L) C6655	9(R) T6651
C6651		8-719-068-00 C04-06	1-249-443-91 0.47Ω	1-260-340-51 10K		1-107-974-91 47J	1-431-732-21 732-21 #CCL:14317322
			เหลือง ม่วง เงิน ทอง	น้ำตาลดำ ส้ม ทอง			

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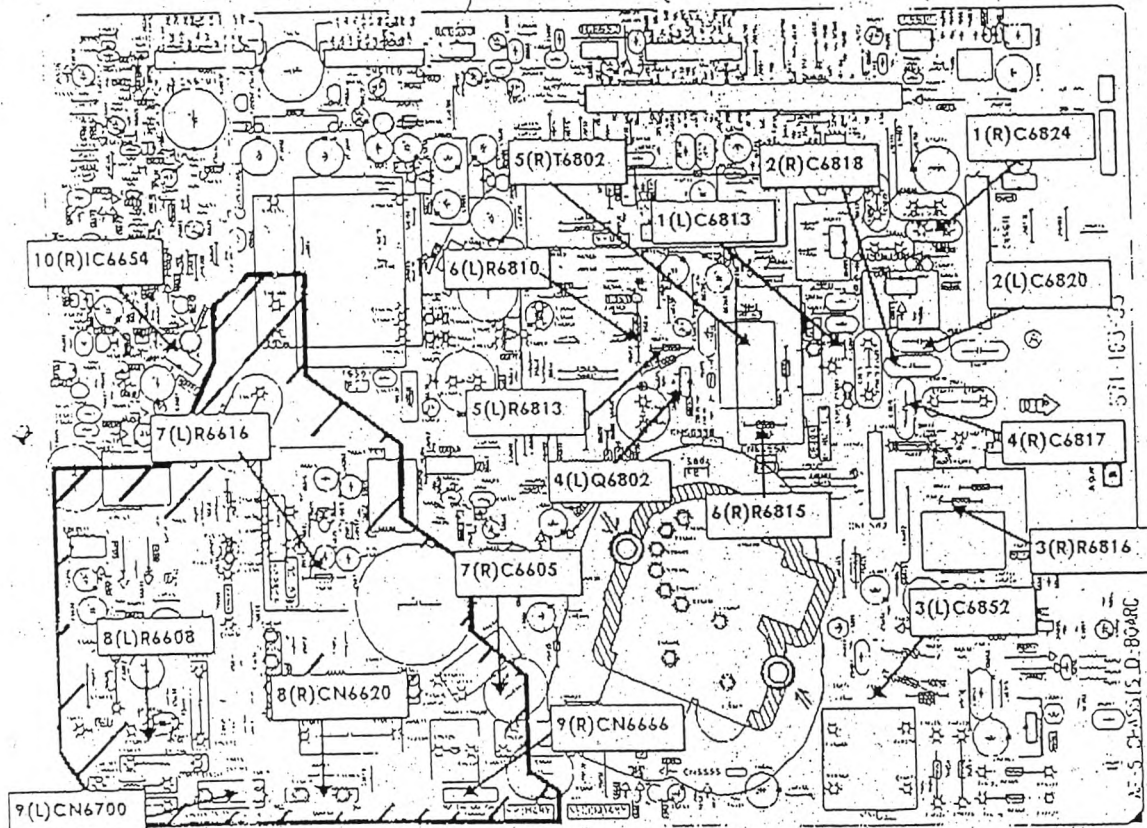


WORK INSTRUCTION Document level 3		Chassis : AE-5 Model : 28EX60 Process : HAND MOUNT Station : 3 Board : D		EFFECTIVE DATE : 2/10/00	DESCRIPTION : ยกเลิกการใช้พาร์ทที่ตำแหน่ง C6851 โดยย้ายไปใช้ที่ st.1	REFERENCE : -	Original Document
DCC # : W20164 ISSU : 1 Effective date : May 29, 2000							
1(L) C6813	1(R) C6824	2(L) C6820	2(R) C6818	3(L) C6852	3(R) R6816	4(L) Q6802	4(R) C6817
 P						 P	
1-162-134-91 471K	1-117-659-11 MS104 250V	1-125-893-11 PHS681H 1500V	1-125-893-11 PHS681H 1500V	1-162-129-51 151K	1-216-361-51 0.22Ω	8-729-119-80 C2688	1-125-893-11 H5681H 1500V
5(L) R6813	5(R) T6802	6(L) R6810	6(R) R6815	7(L) R6816	7(R) C6605	8(L) R6608	8(R) CN6620
							
1-215-920-51 3.3K	1-433-489-31 TRANS FORMER	1-215-920-51 3.3K	1-215-880-51 10Ω	1-216-369-51 1.0Ω	1-119-888-51 222M # CCL:KX222M	1-220-797-11 0.47Ω 1-220-797-31	1-508-765-13 3P
ส้ม ส้ม แดง ทอง		ส้ม ส้ม แดง ทอง		น้ำตาล ดำ ทอง ทอง			
9(L) CN6700	9(R) CN6666	10(L)	10(R) IC6654	11(L)			
			 P				
1-691-291-11 5P (พาร์ทคือ 3P)	1-508-786-13 2P		8-759-574-76 KA7B R05 PQ05 RF11 8-759-069-28				
							

• เจ้าพนักงานซ่อม ID MARK ทุกๆเครื่อง ก่อนใช้พาร์ท • สำหรับพาร์ท SAFETY ใช้พาร์ทที่มีเบอร์ ID MARK CCL# ID MARK อย่างน้อย 1 ตัว ต่อ เลข/กล่อง/ชุด ต้องมีใช้ทุกครั้ง
 ห้าม สัมผัสตัวอุปกรณ์บนบอร์ดและพยายามหลีกเลี่ยงการสัมผัสโลหะส่วนต่างๆของบอร์ด
 พาร์ท SAFETY พาร์ทที่มีหม้อต่อความปลอดภัย ของหม้อตัดด้วย # SAFETY OPERATION

• ห้าม พาร์ทที่ติดกับหม้อต่อพาร์ทที่ ติดหม้อไปบนกล่องหม้อต่อ • ห้าม สัมผัสตัวต่อ ของหม้อต่อความถี่ระดับสูงกับบริเวณของบอร์ด
 • ตรวจสอบการเปลี่ยนแปลงเมื่อมีการแก้ไข พาร์ท
 • ตรวจสอบวันที่ทำการในการประกอบบนบอร์ด P : พาร์ทที่ต้องทำการ Prework

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document 17 OCT 2000 Document Control Center
	Process : HAND MOUNT	13/10/00	- Hand drawing - Hand drawing -	yx-030533	
Station : 3					
Board : D					
DCC # : W20164 ISSUE # : 1					
Effective date : May 29, 2000					

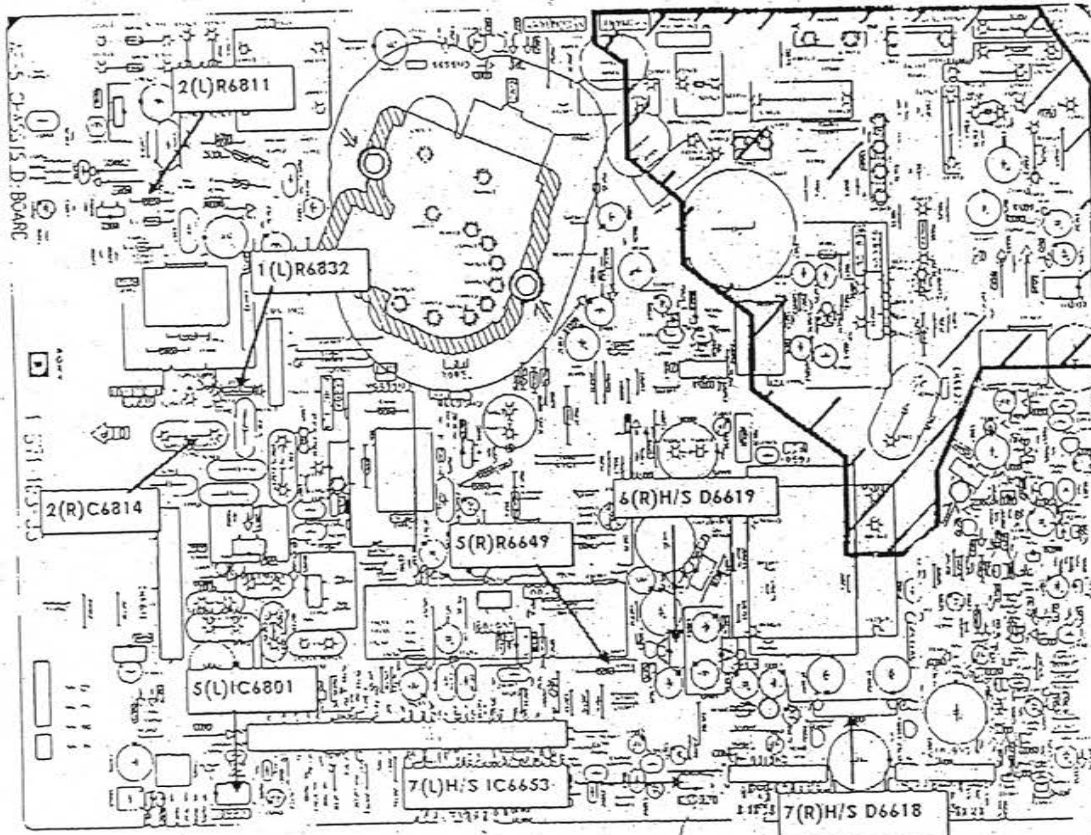


SAFETY
OPERATION

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* หมายเหตุ: ID MARK ที่จุดต่อของชิ้นส่วน - หมายเหตุ: SAFETY สำหรับชิ้นส่วน ID MARK, CCL ID MARK ส่วนอื่น ๆ (เช่น IC, Resistor, Capacitor) ระบุไว้ที่จุดต่อ
 * หมายเหตุ: สำหรับชิ้นส่วนที่ระบุไว้ที่จุดต่อของชิ้นส่วน - หมายเหตุ: SAFETY สำหรับชิ้นส่วนที่ระบุไว้ที่จุดต่อของชิ้นส่วน
 * หมายเหตุ: สำหรับชิ้นส่วนที่ระบุไว้ที่จุดต่อของชิ้นส่วน - หมายเหตุ: SAFETY สำหรับชิ้นส่วนที่ระบุไว้ที่จุดต่อของชิ้นส่วน
 * หมายเหตุ: สำหรับชิ้นส่วนที่ระบุไว้ที่จุดต่อของชิ้นส่วน - หมายเหตุ: SAFETY สำหรับชิ้นส่วนที่ระบุไว้ที่จุดต่อของชิ้นส่วน

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document 17 OCT 2000 Document Control Center
	Process : HAND MOUNT	17 10 00	- កែសម្រួល drawing ទៅលើស្ថិតិ ៣៥	yx-090537	
Station : 4					
Board : 0					
DCC # : W20164 ISSUE # : 1					
Effective date : May 29, 2000					



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17 OCT 00 02
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ក្នុងករណីមានសញ្ញា ID MARK ក្នុងតំបន់សុវត្ថិភាព គ្រប់តំបន់ SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

ក្នុងករណីមានសញ្ញា ID MARK ក្នុងតំបន់សុវត្ថិភាព គ្រប់តំបន់ SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

សម្រាប់ព័ត៌មានបន្ថែម សូមទាក់ទងមន្ត្រីបច្ចេកទេសដែលទាក់ទងនឹងការងារនេះ

SAFETY ក្នុងករណីមានសញ្ញា SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

SAFETY OPERATION

ក្នុងករណីមានសញ្ញា SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

ក្នុងករណីមានសញ្ញា SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

P ក្នុងករណីមានសញ្ញា SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

ក្នុងករណីមានសញ្ញា SAFETY គ្រប់តំបន់ ID MARK, CCL-TO MARK គ្រប់តំបន់ គឺជា តំបន់សុវត្ថិភាព ត្រូវប្រុងប្រយ័ត្ន

WORK INSTRUCTION Document level 3	Chassis : AE-S Model : 28EX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document ORIGINAL COPY 14 NOV 2000 Document Control Center
	Process : HAND MOUNT	15/11/00	เปลี่ยนพาร์ทบนบอร์ดชิพจิคิต้าแบบ IC6653, D6618, D6619	YX-0X0598	
	Station : 4.1 Board : D				
	DCC # : W20164 ISSUE # 1				
	Effective date : May 29, 2000				

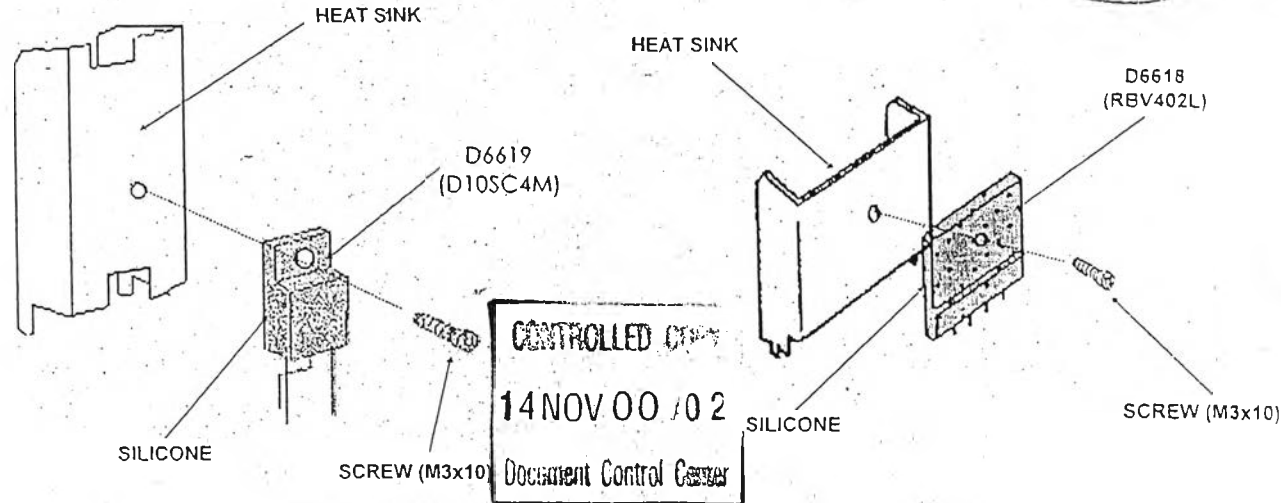
H/S PRE - ASSY D6619 , D6618, IC6653

ขั้นตอนการทำงาน

1. วางอีทซิงค์ลงบน JIG
2. ทาซิลิโคนลงบนหลังพาร์ท
*** ต้องทาให้เต็มตัวพาร์ท***
3. วางตัวพาร์ทลงบนอีทซิงค์
4. สกรูตัวพาร์ทให้ติดกับอีทซิงค์
5. ถอดอีทซิงค์ออกจาก JIG

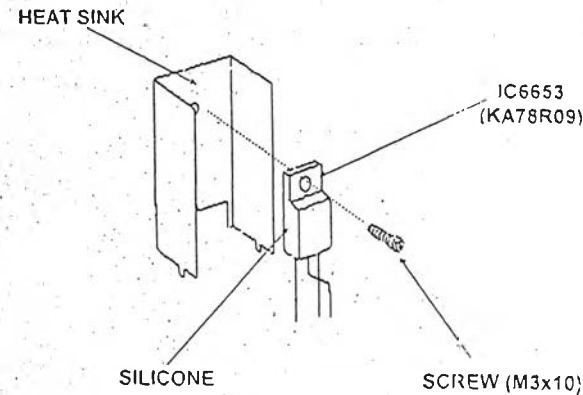
ข้อควรระวัง :

1. ซิลิโคนจะต้องไม่เลอะขาพาร์ทโดยเด็ดขาด
2. หลังจากสกรูพาร์ทเข้ากับอีทซิงค์แล้ว,
ซิลิโคนจะต้องไม่เลอะออกนอกตัวพาร์ทเกิน 2 มม



หมายเหตุ : ให้ใช้แรงบิดในการขันสกรู HEAT SINK 3.5 ± 0.5 กก.ซม

พาร์ทที่ใช้	พาร์ทอีกทρονิกซ์	อีทซิงค์	GREASE SILICONE	SCREW
D6619 P	8-719-060-45 (D10SC4M)	4-380-617-51	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)
D6618 P	8-719-079-50 (RBV402L)	4-202-694-11	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)
IC6653	8-759-513-73 (PQ09RF11) 8-759-574-77 (KA78R09)	4-063-946-31	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)



ใช้พาร์ทที่มีเบอร์และ ID MARK ทุกตัวของ คอมพิวเตอร์ - ส่วนพาร์ท SAFETY ใช้พาร์ทที่มีเบอร์, ID MARK, CCL ID MARK ของเบอร์ 1 ตัวต่อ เรอกลองกด คอมพิวเตอร์

ห้ามใช้พาร์ทที่ยกก่อนไปเอทซิงค์ที่ ยกก่อนไปนกลงพาร์ทเสีย - ไม้เขียน / ชัน / ถัด บอร์ดด้วยตัวประกอบที่ระบุไว้ข้างบน

ห้ามสัมผัสตัวอุปกรณ์บนบอร์ดและพยายามหลีกเลี่ยงการสัมผัสไดนาไม่งจรด้านข้างบอร์ด

SAFETY พาร์ท SAFETY พาร์ทที่มีต่อความปลอดภัยของผลิตภัณฑ์ # SAFETY OPERATION : ขั้นตอนการทำงานที่เกี่ยวกับความปลอดภัยของผลิตภัณฑ์

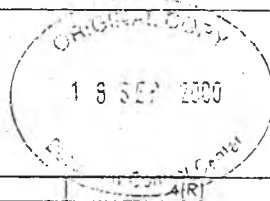






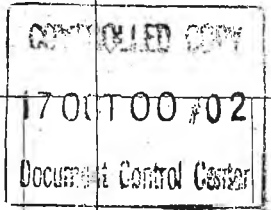
หมายเหตุ : พาร์ทที่ใส่จะวางทิศทางในกรอบบนบอร์ด

P

พาร์ทที่ใส่จะวางทิศทางในกรอบบนบอร์ด

P

โปรดดูที่เปลี่ยนเปลี่ยนชื่อผลิตภัณฑ์ใน P







WORK INSTRUCTION Document level 3		Chassis : AE-S Model : 28FX60 Process : HAND MOUNT Station : 6 Board : D	EFFECTIVE DATE 16/9/00	DESCRIPTION เพิ่มสัญญาณเข้าหน้าพอร์ทคอมทาวเวอร์ Prework P	REFERENCE	Original Document	
DCC # : W20164 ISSU 1 Effective date : May 29, 2000							
1(L)	1(R)	2(L)	2(R) C6830	3(L)	3(R)	4(L) H/S Q6805	
							
			1-107-655-91 47µF 250V			8-729-038-83 K2251	
5(L) H/S D6616	5(R) C6629	6(L) C6630	6(R) H/S D6617				
							
8-719-060-45 D10S C4M	1-128-548-61 4700µF 25V	1-110-626-41 330µF 160V	8-719-053-41 D8LC40				
							

• ใช้รหัสที่ระบุใน ID MARK ทุกๆอย่าง ก่อนใช้พอร์ท • ใช้รหัสที่ระบุ SAFETY ใช้รหัสที่ระบุ ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ 1ชุดของ/ตัว ก่อนใช้ทุกครั้ง

• ห้ามใช้พอร์ทที่สกปรก/ปนเปื้อนได้แก่พอร์ทที่สกปรก/ปนเปื้อนไว้ในช่องพอร์ทเมื่อ • ให้ถอด/จับ/ใส่ บนรหัสควบคุมการระบุรหัสไว้ที่ระบุของบอร์ด

ห้ามใช้ปลั๊กไฟประเภทอื่นและหาอะไหล่หรือการอื่นที่ไม่ใช่ของโรงงานผู้ผลิต

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 SAFETY พอร์ท SAFETY พอร์ทที่มีเครื่องหมายป้องกันขโมยผลิตภัณฑ์ **SAFETY OPERATION** : ห้าม  ใช้งานที่ติดตั้งวงจรบนบอร์ดกับขั้วผลิตภัณฑ์  พอร์ทที่มีเครื่องหมาย  ระบุบนบอร์ด  P : พอร์ทที่เชื่อมทาวเวอร์ Prework  : หลีกเลี่ยงเปลี่ยนเปลี่ยนชิ้นส่วนใดๆ

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28EX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document 14 NOV 2000 Document Control Center
	Process : HAND MOUNT	15/1/00	เปลี่ยนพาร์ทใหม่เบออิซซิ่งที่ตำแหน่ง D6616, D6617, Q6805	YX-0X0598	
	Station : 6.1 Board : D				
	DCC # : W20164 ISSUE # 1				
	Effective date : May 29, 2000				

H/S PRE - ASSY Q6805, D6616, D6617

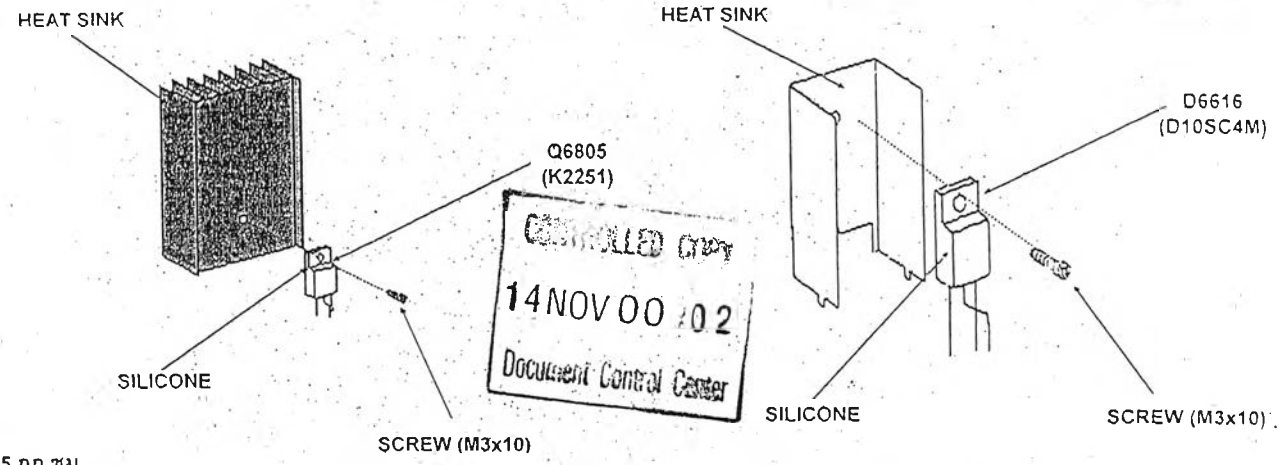
ขั้นตอนการทำงาน

- วางฮีทซิงค์ลงบน JIG
- ทาซิลิโคนลงบนหลังพาร์ท
*** ต้องทำให้เต็มตัวพาร์ท***
- วางตัวพาร์ทลงบนฮีทซิงค์
- สกรูตัวพาร์ท ให้ติดกับฮีทซิงค์
- ถอดฮีทซิงค์ออกจาก JIG

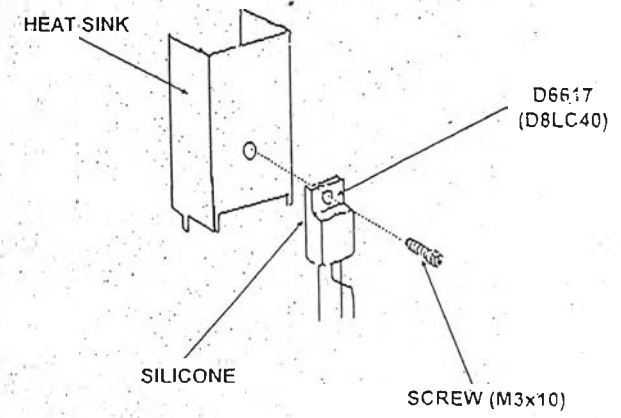
ข้อควรระวัง :

- ซิลิโคนจะต้องไม่เลอะขาพาร์ทโดยเด็ดขาด
- หลังจากสกรูพาร์ทเข้ากับฮีทซิงค์แล้ว
ซิลิโคนจะต้องไม่เลอะออกนอกตัวพาร์ทเกิน 2 มม

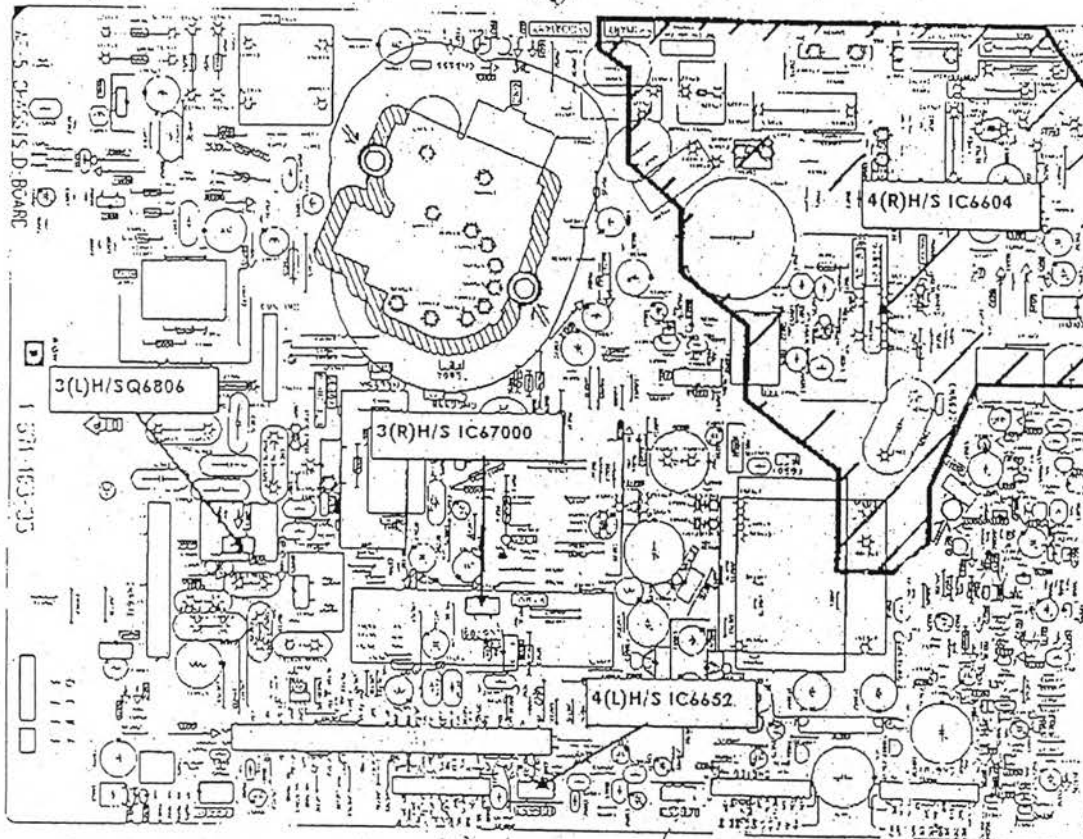
หมายเหตุ : ให้ใช้แรงบิดในการขันสกรู HEAT SINK 3.5 ± 0.5 กก.ซม



พาร์ทที่ใช้	พาร์ทอิเล็กทรอนิกส์	ฮีทซิงค์	GREASE SILICONE	SCREW
Q6805 P	8-729-038-83 (K2251)	4-205-706-01	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)
D6616 P	8-719-060-45 (D10SC4M)	4-063-946-31	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)
D6617	8-719-053-41 (D8LC40)	4-202-694-11	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)



WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX6D	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document ORIGINAL COPY 17 OCT 2000 Document Control Center
	Process : HAND MOUNT Station : 7 Board : 0	19/10/00	แก้ไข drawing ของบอร์ดด้วย suffix -43	VX-0905R	
	DCC # : W20164 ISSUE # : 1 Effective date : May 29, 2000				



17 OCT 00 102
Document Control Center

* ศึกษารหัสระบุชิ้น ID MARK ทุกจุดและ ส่วนที่ระบุไว้ * ศึกษาพื้นที่ SAFETY ศึกษาพื้นที่ระบุ ID MARK, CCL* ID MARK ของชิ้นส่วน หรือ อุปกรณ์ประกอบ และ ส่วนที่ระบุไว้
 * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ * ศึกษารหัสระบุชิ้น / วัสดุ / ส่วน / ชิ้น / ส่วนที่เกี่ยวข้องและต้องปฏิบัติตามข้อกำหนด
 * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ
 * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ
 * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ * ศึกษาพื้นที่ที่ระบุไว้บนแผงหรือที่แสดงบน 13 ในเอกสารประกอบ

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT	15/11/00	เปลี่ยนพาร์ทหม้อเบ้อที่ตำแหน่ง Q6851, Q6803	YX-0X0598	ORIGINAL COPY 14 NOV 2000 Document Control Center
	Station : B.1		เพิ่มพาร์ทหม้อเบ้อที่ตำแหน่ง Q6803 และ Q6804 (PIN 8-729-055-09)	YX-0Y0842	
	Board : D				
	DCC # : W2Q164 ISSUE # 1				
	Effective date : May 29, 2000				

H/S PRE - ASSY Q6851, Q6804, Q6803

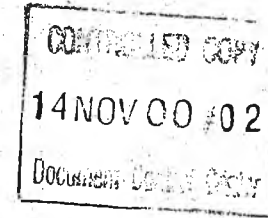
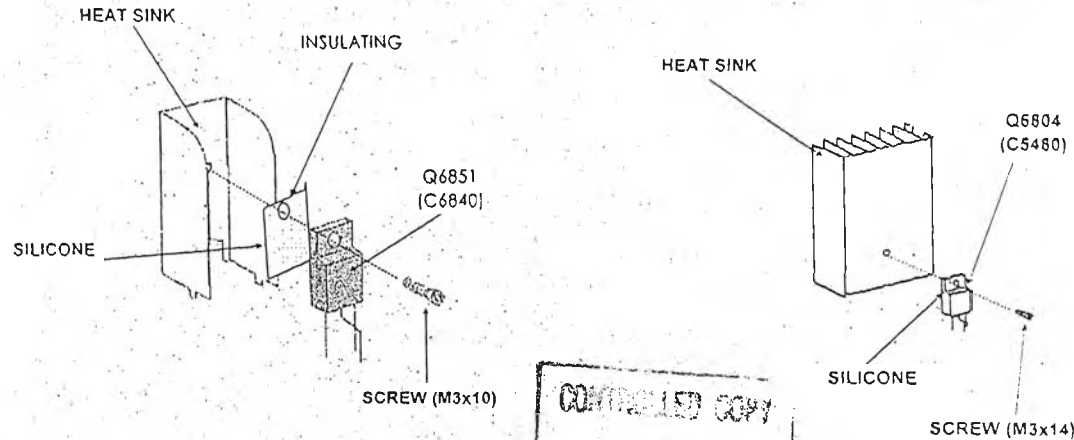
ขั้นตอนการทำงาน

1. วางฮีทซิงค์ลงบน JIG
2. ทาซิลิโคนลงบนหลังพาร์ท
... ต้องทำให้เต็มตัวพาร์ท ...
3. วางตัวพาร์ทลงบนฮีทซิงค์
4. สกรูตัวพาร์ท ให้ติดกับฮีทซิงค์
5. ถอดฮีทซิงค์ออกจาก JIG

ข้อควรระวัง :

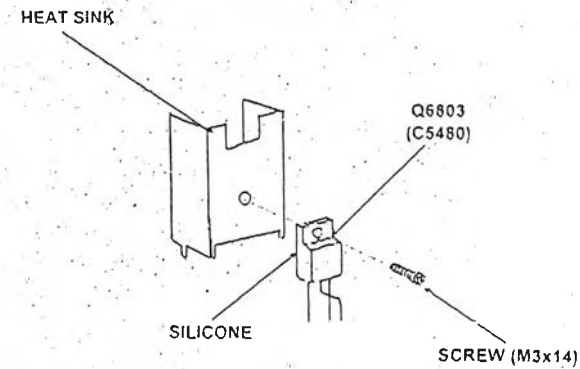
1. ซิลิโคนจะต้องไม่เลอะขาพาร์ทโดยเด็ดขาด
2. หลังจากสกรูพาร์ทเข้ากับฮีทซิงค์แล้ว,
ซิลิโคนจะต้องไม่เลอะออกนอกตัวพาร์ทเกิน 2 มม

หมายเหตุ : ให้ใช้แรงบิดในการขันสกรู HEAT SINK 3.5 ± 0.5 กก.ซม



C6651

พาร์ทที่ใช้	พาร์ทอีกกรรณิกท์	ฮีทซิงค์	GREASE SILICONE	SCREW	INSULATING
Q6851	8-729-011-06 (C3840)	4-063-946-31	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)	4-201-023-21
Q6804	8-729-046-18 8-729-055-09 (C5480)	4-036-629-51	7-662-001-91 (YG6260)	4-382-854-21 (M3 x 14)	---
Q6803	8-729-046-18 8-729-055-09 (C5480)	4-204-044-51	7-662-001-91 (YG6260)	4-382-854-21 (M3 x 14)	---



• เจ็ดพาร์ทหม้อเบ้อและ ID MARK ทุกๆกล่อง ต้องใช้พาร์ท * สำหรับพาร์ท SAFETY เจ็ดพาร์ทหม้อเบ้อ, ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว คือ Ingress Protection, ก่อนใช้ทุกครั้ง.

• มีอยู่ 14 พาร์ทที่ทดแทนไม่ได้แก่พาร์ทที่ ตก/ห่อน ใช้ในช่องพาร์ทหม้อเบ้อ • ไม้หนีบ / ดับ / ดึง บอร์ดด้วยการประชิดวงจรที่บริเวณของบอร์ด

หมายเหตุ : ซิลิโคนตัวอุปกรณ์หม้อเบ้อและพาร์ทหม้อเบ้อการสัมผัสกับมือจะก่อให้เกิดอันตราย

SAFETY : พาร์ท SAFETY พาร์ทที่มีหม้อเบ้อความปลอดภัย ของผลิตภัณฑ์ | # SAFETY OPERATION : ขั้นตอนการทำงานที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์

หมายเหตุ : พาร์ทที่ต้องระวังการทำงานในการประกอบหม้อเบ้อ

P : พาร์ทที่ห้องทำการ Prework

เอกสารนี้เป็นของสงวนลิขสิทธิ์ของ บริษัท

Daily Work Hours Record							
Date :		Model :.....		JON. :.....		Operators number :..... persons	Line :.....
Time	Plan	Output	Accum.	Remark			
8:00-9:00							
9:00-10:00							
10:00-11:00							
11:00-12:40							
12:40-13:40							
13:40-15:00							
15:00-16:00							
16:00-17:30							
17:30-19:00							
19:00-20:00							
20:00-21:00							
21:00-22:00							
Item	Time (hours)	Operators (persons)	Man-Hours	Item	Time (hours)	Operators (persons)	Man-Hours
1. Meeting				6. AM			
2. 5S				7. Model-Change			
3. Inventory				8 Machine			
4. Electrical Shut Down				9. Design			
5. Material Shortage				10. Rework			

Performance Measurement System (SS-00138)

Workhour Report Line F (PWB)

Print Date : 23-Apr-01 Time : 11:07:35

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
28-May-00																										
01-Jun-00	2	27	8.5	229.5	0	0	0	229.5	0	100.0%	0	229.5	15.66	213.84	93.2%	0	213.84	0	0	213.84	93.2%	57.55	26.9%	26.9%	25.1%	
02-Jun-00	2	27	8.5	229.5	0	0	0	229.5	0	100.0%	0	229.5	15.75	213.75	93.1%	0	213.75	229.5	0	-15.75	-6.9%	2.48	-15.8%	1.2%	1.1%	
Sub Total:				459.0	0	0	0	459.0	0	100.0%	0	459.0	31.4	427.6	93.2%	0	427.6	229.5	0	198.1	43.2%	60.0	30.3%	14.0%	13.1%	
				5.1%				4.2%	0.0%		#Num!	4.2%				4.3%				2.1%		1.2%				
04-Jun-00																										
05-Jun-00	2	27	8.5	229.5	54	0	0	283.5	0	100.0%	0	283.5	13.5	270	95.2%	0	270	0	0	270	95.2%	67.50	25.1%	25.1%	23.9%	
06-Jun-00	2	27	8.5	229.5	108	0	0	337.5	0	100.0%	0	337.5	9	328.5	97.3%	0	328.5	0	0	328.5	97.3%	115.09	35.0%	35.0%	34.1%	
07-Jun-00	2	27	8.5	229.5	108	0	0	337.5	0	100.0%	0	337.5	9	328.5	97.3%	0	328.5	0	0	328.5	97.3%	135.79	41.3%	41.3%	40.2%	
08-Jun-00	2	27	8.5	229.5	108	0	0	337.5	0	100.0%	0	337.5	9	328.5	97.3%	0	328.5	0	0	328.5	97.3%	154.22	46.9%	46.9%	45.7%	
09-Jun-00	2	27	8.5	229.5	108	0	0	337.5	0	100.0%	0	337.5	9	328.5	97.3%	0	328.5	0	0	328.5	97.3%	162.29	49.4%	49.4%	48.1%	
10-Jun-00	2	27	8.5	229.5	54	0	0	283.5	0	100.0%	0	283.5	9	274.5	96.8%	0	274.5	0	0	274.5	96.8%	151.52	55.2%	55.2%	53.4%	
Sub Total:				1,377.0	540	0	0	1,917.0	0	100.0%	0	1,917.0	58.5	1,858.5	96.9%	0	1,858.5	0	0	1,858.5	96.9%	786.8	42.3%	42.3%	41.0%	
				15.3%				17.5%	0.0%		#Num!	17.7%				18.5%				19.7%		15.8%				
11-Jun-00																										
12-Jun-00	4	57	8.5	484.5	114	0	0	598.5	0	100.0%	0	598.5	35.26	563.24	94.1%	0	563.24	0	0	563.24	94.1%	196.43	34.9%	34.9%	32.8%	
13-Jun-00	4	57	8.5	484.5	114	0	0	598.5	0	100.0%	0	598.5	19.54	578.96	96.7%	0	578.96	0	0	578.96	96.7%	210.00	36.3%	36.3%	35.1%	
14-Jun-00	4	55	8.5	467.5	110	0	0	577.5	0	100.0%	0	577.5	257	320.5	55.5%	0	320.5	24.67	0	295.83	51.2%	268.80	90.9%	83.9%	46.5%	
15-Jun-00	4	55	8.5	467.5	108	25.5	0	601.0	42.5	92.9%	0	558.5	66.14	492.36	88.2%	0	492.36	55.5	0	436.86	72.7%	235.31	53.9%	47.8%	42.1%	
16-Jun-00	4	55	8.5	467.5	108	0	0	575.5	0	100.0%	0	575.5	68.44	507.06	88.1%	0	507.06	81	0	426.06	74.0%	329.30	77.3%	64.9%	57.2%	
Sub Total:				2,371.5	554	25.5	0	2,951.0	42.5	98.6%	0	2,908.5	446.4	2,462.1	84.7%	0	2,462.1	161.2	0	2,301.0	78.0%	1,239.8	53.9%	50.4%	42.6%	
				26.4%				26.9%	27.4%		#Num!	26.9%				24.5%				24.4%		25.0%				
18-Jun-00																										
19-Jun-00	4	55	8.5	467.5	108	0	0	575.5	8.5	98.5%	0	567.0	36.44	530.56	93.6%	0	530.56	0	0	530.56	92.2%	270.71	51.0%	51.0%	47.7%	
20-Jun-00	4	55	8.5	467.5	108	0	0	575.5	8.5	98.5%	0	567.0	36.74	530.26	93.5%	0	530.26	31	0	499.26	86.8%	279.72	56.0%	52.8%	49.3%	
21-Jun-00	4	55	8.5	467.5	108	0	0	575.5	0	100.0%	0	575.5	21.83	553.67	96.2%	0	553.67	46	0	507.67	88.2%	321.08	63.2%	58.0%	55.8%	
22-Jun-00	5	52	8.5	442.0	104	0	0	546.0	0	100.0%	0	546.0	18.93	527.07	96.5%	0	527.07	16.2	0	510.87	93.6%	301.58	59.0%	57.2%	55.2%	
23-Jun-00	5	52	8.5	442.0	94	0	0	536.0	0	100.0%	0	536.0	21.69	514.31	96.0%	0	514.31	22.7	0	491.61	91.7%	261.94	53.3%	50.9%	48.9%	

Appendix 3.6 : PWB Work Hour of Productivity Data

Workhour Report Line F (PWB)

Print Date : 23-Apr-01 Time : 11:07:35

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalld Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO
24-Jun-00	2	26	10.5	273.0	0	0	238	35.5	0	100.0%	0	35.5	10.86	24.64	69.4%	0	24.64	0	0	24.64	69.4%	22.26	90.3%	90.3%	62.7%
Sub Total:				2,559.5	522	0	238	2,844.0	17	99.4%	0	2,827.0	146.5	2,680.5	94.8%	0	2,680.5	115.9	0	2,564.6	90.2%	1,457.3	56.8%	54.4%	51.5%
				28.5%				26.0%	11.0%		#Num!	26.2%					26.7%			27.1%		29.3%			
25-Jun-00																									
26-Jun-00	5	52	8.5	442.0	104	0	12	534.0	2	99.6%	0	532.0	17.33	514.67	96.7%	0	514.67	21.55	0	493.12	92.3%	273.06	55.4%	53.1%	51.3%
27-Jun-00	5	52	8.5	442.0	100	8.5	0	550.5	17	96.9%	0	533.5	21.53	511.97	96.0%	0	511.97	0	0	511.97	93.0%	286.82	56.0%	56.0%	53.8%
28-Jun-00	5	52	8.5	442.0	100	34	0	576.0	34	94.1%	0	542.0	19.4	522.6	96.4%	0	522.6	32	0	490.6	85.2%	288.41	58.8%	55.2%	53.2%
29-Jun-00	5	52	8.5	442.0	100	25.5	0	567.5	17	97.0%	0	550.5	19.25	531.25	96.5%	0	531.25	24	0	507.25	89.4%	292.75	57.7%	55.1%	53.2%
30-Jun-00	5	52	8.5	442.0	98	17	0	557.0	25.5	95.4%	0	531.5	5.73	525.77	98.9%	0	525.77	4.26	0	521.51	93.6%	283.40	54.3%	53.9%	53.3%
Sub Total:				2,210.0	502	85	12	2,785.0	95.5	96.6%	0	2,689.5	83.2	2,606.3	96.9%	0	2,606.3	81.81	0	2,524.5	90.6%	1,424.5	56.4%	54.7%	53.0%
				24.6%				25.4%	61.6%		#Num!	24.9%					26.0%			26.7%		28.7%			
Grand TTL:				8,977.0	2118	111	250	0,956.0	155	98.6%	0	10,801.0	766.0	0,035.0	92.9%	0	10,035.0	588.4	0	9,446.6	86.2%	4,968.4	52.6%	49.5%	46.0%

Performance Measurement System (SS-00138)

Workhour Report Line E (PWB)

Print Date : 23-Apr-01 Time : 11:07:51

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
25-Jun-00																										
01-Jul-00	4	26	8.0	208.0	52	0	0	260.0	0	100.0%	0	260.0	11.1	248.9	95.7%	0	248.9	0.75	0	248.15	95.4%	101.02	40.7%	40.6%	38.9%	
Sub Total:				208.0	52	0	0	260.0	0	100.0%	0	260.0	11.1	248.9	95.7%	0	248.9	0.75	0	248.2	95.4%	101.0	40.7%	40.6%	38.9%	
				2.2%				2.2%	0.0%		0.0%	2.3%					2.4%			2.7%		1.6%				
02-Jul-00																										
03-Jul-00	8	52	8.5	442.0	98	25.5	0	565.5	25.5	95.5%	2.6	537.4	67	470.4	87.5%	0	470.4	4	0	466.4	82.5%	325.17	69.7%	69.1%	60.5%	
04-Jul-00	8	56	8.5	476.0	106	25.5	0	607.5	25.5	95.8%	0	582.0	27.07	554.93	95.3%	0	554.93	9.2	0	545.73	89.8%	384.25	70.4%	69.2%	66.0%	
05-Jul-00	8	57	8.5	484.5	102	0	0	586.5	25.5	95.7%	0	561.0	24.99	536.01	95.5%	0	536.01	12.5	0	523.51	89.3%	327.89	62.6%	61.2%	58.4%	
06-Jul-00	8	57	8.5	484.5	108	25.5	0	618.0	25.5	95.9%	0	592.5	14.39	578.11	97.6%	0	578.11	8.16	0	569.95	92.2%	318.85	55.9%	55.2%	53.8%	
07-Jul-00	8	57	8.5	484.5	108	34	0	626.5	34	94.6%	0	592.5	13.47	579.03	97.7%	0	579.03	94.58	0	484.45	77.3%	287.47	59.3%	49.6%	48.5%	
08-Jul-00	3	10	8.0	80.0	25	0	0	105.0	8.5	91.9%	0	96.5	0.25	96.25	99.7%	0	96.25	0	0	96.25	91.7%	64.86	67.4%	67.4%	67.2%	
Sub Total:				2,451.5	547	111	0	3,109.0	144.5	95.4%	2.6	2,961.9	147.2	2,814.7	95.0%	0	2,814.7	128.4	0	2,686.3	86.4%	1,708.5	63.6%	60.7%	57.7%	
				25.5%				26.5%	27.9%		50.0%	26.4%					27.1%			29.3%		27.0%				
09-Jul-00																										
10-Jul-00	8	61	8.5	518.5	122	0	0	640.5	34	94.7%	0	606.5	73.5	533	87.9%	0	533	0	0	533	83.2%	326.02	61.2%	61.2%	53.8%	
11-Jul-00	8	61	8.5	518.5	122	17	42.5	615.0	34	94.5%	2.6	578.4	56.66	521.74	90.2%	0	521.74	7.9	0	513.84	83.6%	348.38	67.8%	66.8%	60.2%	
12-Jul-00	8	61	8.5	518.5	122	8.5	0	649.0	42.5	93.5%	0	606.5	65.59	540.91	89.2%	0	540.91	0	0	540.91	83.3%	334.51	61.8%	61.8%	55.2%	
13-Jul-00	8	61	8.5	518.5	122	8.5	0	649.0	34	94.8%	0	615.0	59.63	555.37	90.3%	0	555.37	25.93	0	529.44	81.6%	577.85	109.1%	104.0%	94.0%	
14-Jul-00	8	61	8.5	518.5	122	25.5	0	666.0	59.5	91.1%	0	606.5	81.07	525.43	86.6%	0	525.43	3	0	522.43	78.4%	396.73	75.9%	75.5%	65.4%	
15-Jul-00	3	13	8.0	104.0	32.5	0	0	136.5	0	100.0%	0	136.5	1.08	135.42	99.2%	0	135.42	0	0	135.42	99.2%	64.55	47.7%	47.7%	47.3%	
Sub Total:				2,696.5	643	59.5	42.5	3,356.0	204	93.9%	2.6	3,149.4	337.5	2,811.9	89.3%	0	2,811.9	36.83	0	2,775.0	82.7%	2,048.0	73.8%	72.8%	65.0%	
				28.0%				28.6%	39.4%		50.0%	28.1%					27.1%			30.2%		32.3%				
16-Jul-00																										
18-Jul-00	8	60	8.5	510.0	120	25.5	0	655.5	17	97.4%	0	638.5	56.07	582.43	91.2%	0	582.43	16.5	0	565.93	86.3%	336.49	59.5%	57.8%	52.7%	
19-Jul-00	8	59	8.5	501.5	16	0	8.5	509.0	8.5	98.3%	0	500.5	62.24	438.26	87.6%	0	438.26	83.5	0	354.76	69.7%	263.76	74.3%	60.2%	52.7%	
20-Jul-00	8	59	8.5	501.5	16	0	0	517.5	42.5	91.8%	0	475.0	72.49	402.51	84.7%	0	402.51	244	0	158.51	30.6%	146.65	92.5%	36.4%	30.9%	
21-Jul-00	8	60	8.5	510.0	120	0	0	630.0	17	97.3%	0	613.0	23.66	589.34	96.1%	0	589.34	272	0	317.34	50.4%	210.84	66.4%	35.8%	34.4%	
22-Jul-00	8	57	8.0	456.0	114	0	0	570.0	17	97.0%	0	553.0	7.66	545.34	98.6%	0	545.34	0	0	545.34	95.7%	299.02	54.8%	54.8%	54.1%	

Workhour Report Line E (PWB)

Print Date : 23-Apr-01 Time : 11:07:51

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avall Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO		
Sub Total:				2,479.0	386	25.5	8.5	2,882.0	102	96.5%	0	2,780.0	222.1	2,557.9	92.0%	0	2,557.9	616	0	1,941.9	67.4%	1,256.8	64.7%	49.1%	45.2%		
				25.8%				24.6%	19.7%		0.0%	24.8%				24.6%				21.2%		19.8%					
<u>23-Jul-00</u>																											
24-Jul-00	8	61	8.5	518.5	108	34	0	660.5	25.5	96.1%	0	635.0	33.16	601.84	94.8%	0	601.84	24.5	0	577.34	87.4%	359.48	62.3%	59.7%	56.6%		
25-Jul-00	4	32	8.5	272.0	62	0	0	334.0	8.5	97.5%	0	325.5	21.33	304.17	93.4%	0	304.17	0	0	304.17	91.1%	350.96	115.4%	115.4%	107.8%		
26-Jul-00	4	29	8.5	246.5	0	0	0	246.5	0	100.0%	0	246.5	9.66	236.84	96.1%	0	236.84	129.6	0	107.24	43.5%	74.89	69.8%	31.6%	30.4%		
27-Jul-00	4	32	8.5	272.0	0	0	0	272.0	25.5	90.6%	0	246.5	18.16	228.34	92.6%	0	228.34	142.6	0	85.76	31.5%	113.66	132.5%	49.8%	46.1%		
28-Jul-00	4	29	8.5	246.5	58	0	0	304.5	0	100.0%	0	304.5	9.66	294.84	96.8%	0	294.84	130.5	0	164.34	54.0%	110.88	67.5%	37.6%	36.4%		
29-Jul-00	4	29	8.0	232.0	72.5	0	0	304.5	8	97.4%	0	296.5	9.66	286.84	96.7%	0	286.84	0	0	286.84	94.2%	215.04	75.0%	71.0%	72.5%		
Sub Total:				1,787.5	301	34	0	2,122.0	67.5	96.8%	0	2,054.5	101.6	1,952.9	95.1%	0	1,952.9	427.2	0	1,525.7	71.9%	1,224.9	80.3%	62.7%	59.6%		
				18.6%				18.1%	13.0%		0.0%	18.3%				18.8%				16.6%		19.3%					
Grand TTL:				9,622.5	1928	230	51	1,729.0	518	95.6%	5.2	11,205.8	819.6	0,386.3	92.7%	0	10,386.3	1209	0	9,177.0	78.2%	6,339.2	69.1%	61.0%	56.6%		

Performance Measurement System (SS-00138)

Workhour Report Line E (PWB)

Print Date : 23-Apr-01 Time : 11:08:16

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalld Hr	Valld Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
30-Jul-00																										
01-Aug-0	8	60	8.5	510.0	58	25.5	0	593.5	34	94.3%	0	559.5	21.67	537.83	96.1%	0	537.83	30.16	0	507.67	85.5%	302.98	59.7%	56.3%	54.2%	
02-Aug-0	8	54	8.5	459.0	60	8.5	0	527.5	8.5	98.4%	0	519.0	20.16	498.84	96.1%	0	498.84	60	0	438.84	83.2%	370.53	84.4%	74.3%	71.4%	
03-Aug-0	9	47	8.5	399.5	88	38.5	0	526.0	36	93.2%	0	490.0	14.66	475.34	97.0%	0	475.34	73.85	0	401.49	76.3%	281.22	70.0%	59.2%	57.4%	
04-Aug-0	9	47	8.5	399.5	94	0	0	493.5	0	100.0%	0	493.5	19.51	473.99	96.0%	0	473.99	0	0	473.99	96.0%	343.20	72.4%	72.4%	69.5%	
05-Aug-0	4	23	8.0	184.0	0	0	0	184.0	0	100.0%	0	184.0	6.91	177.09	96.2%	0	177.09	42.57	0	134.52	73.1%	94.08	69.9%	53.1%	51.1%	
Sub Total:				1,952.0	300	72.5	0	2,324.5	78.5	96.6%	0	2,246.0	82.9	2,163.1	96.3%	0	2,163.1	206.6	0	1,956.5	84.2%	1,392.0	71.1%	64.4%	62.0%	
				20.7%				20.5%	18.3%		0.0%	20.6%					21.4%			22.9%		22.1%				
06-Aug-00																										
07-Aug-0	9	47	8.5	399.5	86	0	0	485.5	36	92.6%	0	449.5	27.92	421.58	93.8%	0	421.58	5	0	416.58	85.8%	317.10	76.1%	75.2%	70.5%	
08-Aug-0	9	46	8.5	391.0	80	0	17	454.0	34	92.5%	0	420.0	37.42	382.58	91.1%	0	382.58	4.17	0	378.41	83.4%	387.17	102.3%	101.2%	92.2%	
09-Aug-0	9	45	8.5	382.5	92	0	17	457.5	8.5	98.1%	0	449.0	17.57	431.43	96.1%	0	431.43	115.5	0	315.93	69.1%	278.12	88.0%	64.5%	61.9%	
10-Aug-0	9	45	8.5	382.5	102	86	0	570.5	34	94.0%	0	536.5	19.29	517.21	96.4%	0	517.21	34	0	483.21	84.7%	314.64	65.1%	60.8%	58.6%	
11-Aug-0	9	45	8.5	382.5	106	150	0	638.5	8.5	98.7%	5.75	624.3	51.87	572.38	91.7%	0	572.38	17.25	0	555.13	86.9%	376.49	67.8%	65.8%	60.3%	
Sub Total:				1,938.0	466	236	34	2,606.0	121	95.4%	5.75	2,479.3	154.1	2,325.2	93.8%	0	2,325.2	175.9	0	2,149.3	82.5%	1,673.5	77.9%	72.0%	67.5%	
				20.5%				23.0%	28.3%		100.0%	22.8%					23.0%			25.1%		26.6%				
13-Aug-00																										
12-Aug-0	5	22	8.0	176.0	50	40	0	266.0	16	94.0%	0	250.0	1.66	248.34	99.3%	0	248.34	0	0	248.34	93.4%	194.88	78.5%	78.5%	78.0%	
14-Aug-0	9	45	8.5	382.5	94	21.5	42	456.0	42.5	90.7%	0	413.5	15.82	397.68	96.2%	0	397.68	0	0	397.68	87.2%	252.00	63.4%	63.4%	60.9%	
15-Aug-0	9	44	8.5	374.0	88	34	24	472.0	36	92.4%	0	436.0	16.17	419.83	96.3%	0	419.83	15.33	0	404.5	85.7%	289.08	71.5%	68.9%	66.3%	
16-Aug-0	9	48	8.5	408.0	88	0	42	454.0	0	100.0%	0	454.0	53.82	400.18	88.1%	0	400.18	67.5	0	332.68	73.3%	208.66	62.7%	52.1%	46.0%	
17-Aug-0	9	49	8.5	416.5	88	0	42	462.5	8.5	98.2%	0	454.0	54.58	399.42	88.0%	0	399.42	0	0	399.42	86.4%	296.42	74.2%	74.2%	65.3%	
18-Aug-0	9	47	8.5	399.5	38	0	42	395.5	17	95.7%	0	378.5	55.57	322.93	85.3%	0	322.93	0	0	322.93	81.7%	235.15	72.8%	72.8%	62.1%	
19-Aug-0	5	23	8.0	184.0	0	0	0	184.0	0	100.0%	0	184.0	41.57	142.43	77.4%	0	142.43	17.25	0	125.18	68.0%	91.49	73.1%	64.2%	49.7%	
Sub Total:				2,340.5	446	95.5	192	2,690.0	120	95.5%	0	2,570.0	239.2	2,330.8	90.7%	0	2,330.8	100.1	0	2,230.7	82.9%	1,567.7	70.3%	67.3%	61.0%	
				24.8%				23.8%	28.0%		0.0%	23.6%					23.0%			26.1%		24.9%				
20-Aug-00																										
20-Aug-0	5	24	8.5	204.0	44	0	0	248.0	10.5	95.8%	0	237.5	32.83	204.67	86.2%	0	204.67	5	0	199.67	80.5%	157.92	79.1%	77.2%	66.5%	

Workhour Report Line E (PWB)

Print Date : 23-Apr-01 Time : 11:08:16

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst	Attend %	Facility down	Total Avali Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO
21-Aug-0	9	46	8.5	391.0	44	0	34	401.0	17	95.8%	0	384.0	26.16	357.84	93.2%	0	357.84	277.8	0	80.09	20.0%	72.24	90.2%	20.2%	18.8%
22-Aug-0	5	24	8.5	204.0	46	0	0	250.0	8.5	96.6%	0	241.5	0	241.5	100.0%	0	241.5	241.5	0	0	0.0%	0.00	#Error	0.0%	0.0%
23-Aug-0	9	45.5	8.5	386.8	109	0	0	495.8	34	93.1%	0	461.8	47.23	414.52	89.8%	0	414.52	5.494	0	409.026	82.5%	346.08	84.6%	83.5%	74.9%
24-Aug-0	9	46.5	8.5	395.3	47	8.5	0	450.8	0	100.0%	0	450.8	33.89	416.86	92.5%	0	416.86	39.83	0	377.03	83.6%	257.64	68.3%	61.8%	57.2%
Sub Total:				1,581.0	290	8.5	34	1,845.5	70	96.2%	0	1,775.5	140.1	1,635.4	92.1%	0	1,635.4	569.6	0	1,065.8	57.8%	833.9	78.2%	51.0%	47.0%
				16.7%				16.3%	16.4%		0.0%	16.3%					16.1%			12.4%		13.3%			
<u>27-Aug-00</u>																									
28-Aug-0	9	46.5	8.5	395.3	49	0	0	444.3	0	100.0%	0	444.3	10.2	434.05	97.7%	0	434.05	330.8	0	103.3	23.3%	59.62	57.7%	13.7%	13.4%
29-Aug-0	9	46	8.5	391.0	49	4.5	0	444.5	13	97.1%	0	431.5	36.31	395.19	91.6%	0	395.19	0	0	395.19	88.9%	327.89	83.0%	83.0%	76.0%
30-Aug-0	9	50	8.5	425.0	101	0	0	525.5	17	96.8%	0	508.5	57.86	450.64	88.6%	0	450.64	10.82	0	439.82	83.7%	335.34	76.2%	74.4%	65.9%
31-Aug-0	9	50	8.5	425.0	49	0	34	440.0	8.5	98.1%	0	431.5	38.87	392.63	91.0%	0	392.63	171.5	0	221.13	50.3%	101.02	45.7%	25.7%	23.4%
Sub Total:				1,636.3	248	4.5	34	1,854.3	38.5	97.9%	0	1,815.8	143.2	1,672.5	92.1%	0	1,672.5	513.1	0	1,159.4	62.5%	823.9	71.1%	49.3%	45.4%
				17.3%				16.4%	9.0%		0.0%	16.7%					16.5%			13.5%		13.1%			
Grand TTL:				9,447.8	1750	417	294	1,320.3	428	96.2%	5.75	10,886.5	759.5	10,127.0	93.0%	0	10,127.0	1565	0	8,561.8	75.6%	6,290.9	73.5%	62.1%	57.8%

Performance Measurement System (SS-00138)

Workhour Report Line E (PWB)

Print Date : 23-Apr-01 Time : 11:08:32

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
<u>03-Sep-00</u>																										
04-Sep-00	9	48	8.5	408.0	47	0	0	455.0	17	96.3%	0	438.0	42.1	395.9	90.4%	0	395.9	31.4	0	364.5	80.1%	20.16	5.5%	5.1%	4.6%	
05-Sep-00	9	48	8.5	408.0	90	28	17	509.0	8.5	98.3%	0	500.5	55.94	444.56	88.8%	0	444.56	8.49	0	436.07	85.7%	333.65	76.5%	75.1%	66.7%	
06-Sep-00	9	47	8.5	399.5	23.5	0	0	423.0	34	92.0%	0	389.0	17.45	371.55	95.5%	0	371.55	267.8	0	103.8	24.5%	160.44	154.6%	43.2%	41.2%	
07-Sep-00	9	47	8.5	399.5	47	0	25.5	421.0	34	91.9%	0	387.0	33.11	353.89	91.4%	0	353.89	126.9	0	226.99	53.9%	157.08	69.2%	44.4%	40.6%	
08-Sep-00	9	47	8.5	399.5	90	0	0	489.5	25.5	94.8%	0	464.0	26.57	437.43	94.3%	0	437.43	2.5	0	434.93	88.9%	301.44	69.3%	68.9%	65.0%	
09-Sep-00	4	23.5	8.0	188.0	43	0	0	231.0	17	92.6%	0	214.0	2.95	211.05	98.6%	0	211.05	0	0	211.05	91.4%	344.45	163.2%	163.2%	161.0%	
Sub Total:				2,202.5	341	28	42.5	2,528.5	136	94.6%	0	2,392.5	178.1	2,214.4	92.6%	0	2,214.4	437.0	0	1,777.3	70.3%	1,317.2	74.1%	59.5%	55.1%	
				27.3%				26.8%	58.7%		#Num!	26.0%					25.9%			22.2%		22.6%				
<u>10-Sep-00</u>																										
11-Sep-00	9	47	8.5	399.5	43	0	0	442.5	17	96.2%	0	425.5	16.98	408.52	96.0%	0	408.52	9.33	0	399.19	90.2%	315.55	79.0%	77.2%	74.2%	
12-Sep-00	9	47	8.5	399.5	90	0	0	489.5	25.5	94.8%	0	464.0	20.16	443.84	95.7%	0	443.84	0	0	443.84	90.7%	423.70	95.5%	95.5%	91.3%	
13-Sep-00	8	47	8.5	399.5	90	0	25.5	464.0	8.5	98.2%	0	455.5	19.65	435.85	95.7%	0	435.85	0	0	435.85	93.9%	246.74	56.6%	56.6%	54.2%	
14-Sep-00	8	47	8.5	399.5	94	0	0	493.5	0	100.0%	0	493.5	33.51	459.99	93.2%	0	459.99	1.75	0	458.24	92.9%	342.79	74.8%	74.5%	69.5%	
15-Sep-00	8	46	8.5	391.0	91	0	0	482.0	0	100.0%	0	482.0	30.91	451.09	93.6%	0	451.09	0	0	451.09	93.6%	323.09	71.6%	71.6%	67.0%	
Sub Total:				1,989.0	408	0	25.5	2,371.5	51	97.8%	0	2,320.5	121.2	2,199.3	94.8%	0	2,199.3	11.08	0	2,188.2	92.3%	1,651.9	75.5%	75.1%	71.2%	
				24.6%				25.1%	22.0%		#Num!	25.2%					25.7%			27.4%		28.3%				
<u>17-Sep-00</u>																										
18-Sep-00	8	44	8.5	374.0	45	17	8.5	427.5	0	100.0%	0	427.5	22.82	404.68	94.7%	0	404.68	25	0	379.68	88.8%	270.48	71.2%	66.8%	63.3%	
19-Sep-00	8	44	8.5	374.0	88	0	0	462.0	0	100.0%	0	462.0	28.69	433.31	93.8%	0	433.31	37.76	0	395.55	85.6%	310.27	78.4%	71.6%	67.2%	
20-Sep-00	8	44	8.5	374.0	88	8.5	0	470.5	2	99.6%	0	468.5	30.48	438.02	93.5%	0	438.02	0	0	438.02	93.1%	337.82	77.1%	77.1%	72.1%	
21-Sep-00	8	44	8.5	374.0	86	85	0	545.0	25.5	93.3%	0	519.5	62.19	457.31	88.0%	0	457.31	0	0	457.31	83.9%	348.62	76.2%	76.2%	67.1%	
22-Sep-00	8	44	8.5	374.0	45	85	0	504.0	0	100.0%	0	504.0	59.02	444.98	88.3%	0	444.98	12.5	0	432.48	85.8%	332.52	76.9%	74.7%	66.0%	
23-Sep-00	4	21.5	8.0	172.0	43	0	0	215.0	0	100.0%	0	215.0	7.49	207.51	96.5%	0	207.51	0	0	207.51	96.5%	190.44	91.8%	91.8%	88.6%	
Sub Total:				2,042.0	395	196	8.5	2,624.0	27.5	99.0%	0	2,596.5	210.7	2,385.8	91.9%	0	2,385.8	75.26	0	2,310.6	88.1%	1,790.2	77.5%	75.0%	68.9%	
				25.3%				27.8%	11.9%		#Num!	28.2%					27.9%			28.9%		30.7%				
<u>24-Sep-00</u>																										
25-Sep-00	8	44	8.5	374.0	45	0	54.5	364.5	0	100.0%	0	364.5	8.24	356.26	97.7%	0	356.26	0	0	356.26	97.7%	228.94	64.3%	64.3%	62.8%	

Workhour Report Line E (PWB)

Print Date: 23-Apr-01 Time: 11:08:32

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO
26-Sep-00	8	43	8.5	365.5	45	0	25.5	385.0	0	100.0%	0	385.0	21.65	363.35	94.4%	0	363.35	0	0	363.35	94.4%	236.78	65.2%	65.2%	61.5%
27-Sep-00	8	43	8.5	365.5	45	0	0	410.5	8.5	97.9%	0	402.0	44.65	357.35	88.9%	0	357.35	10.43	0	346.92	84.5%	272.16	78.5%	76.2%	67.7%
28-Sep-00	8	43	8.5	365.5	45	0	17	393.5	0	100.0%	0	393.5	35.02	358.48	91.1%	0	358.48	17.16	0	341.32	86.7%	112.56	33.0%	31.4%	28.6%
29-Sep-00	8	43	8.5	365.5	43	0	42.5	366.0	8.5	97.7%	0	357.5	51.48	306.02	85.6%	0	306.02	0	0	306.02	83.6%	222.73	72.8%	72.8%	62.3%
Sub Total:				1,836.0	223	0	140	1,919.5	17	99.1%	0	1,902.5	161.0	1,741.5	91.5%	0	1,741.5	27.59	0	1,713.9	89.3%	1,073.2	62.6%	61.6%	56.4%
				22.8%				20.3%	7.3%		#Num!	20.7%					20.4%			21.5%		18.4%			
Grand TTL:				8,069.5	1370	224	216	9,443.5	231.5	97.5%	0	9,212.0	671.1	8,540.9	92.7%	0	8,540.9	551	0	7,990.0	84.6%	5,832.4	73.0%	68.3%	63.3%

Performance Measurement System (SS-00138)

Workhour Report AE-5_E1 (PWB)

Print Date: 23-Apr-01 Time: 11:08:44

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
01-Oct-00																										
02-Oct-00	8	33.5	8.5	284.8	29	0	17	296.8	0	100.0%	0	296.8	63.78	232.97	78.5%	0	232.97	94	0	138.97	46.8%	187.13	134.7%	80.3%	63.1%	
03-Oct-00	8	28	8.5	238.0	28	0	17	249.0	0	100.0%	0	249.0	12.07	236.93	95.2%	0	236.93	12	0	224.93	90.3%	113.11	50.3%	47.7%	45.4%	
04-Oct-00	8	28	8.5	238.0	28	0	17	249.0	8.5	96.6%	0	240.5	13.4	227.1	94.4%	0	227.1	140	0	87.1	35.0%	52.71	60.5%	23.2%	21.9%	
05-Oct-00	8	28	8.5	238.0	0	0	0	238.0	0	100.0%	0	238.0	12.91	225.09	94.6%	0	225.09	133	0	92.09	38.7%	82.32	89.4%	36.6%	34.6%	
06-Oct-00	8	28	8.5	238.0	0	0	0	238.0	0	100.0%	0	238.0	0	238	100.0%	0	238	294	0	-56	-23.5%	0.00	0.0%	0.0%	0.0%	
07-Oct-00	8	28	8.0	224.0	28	0	0	252.0	16	93.7%	15.2	220.8	52.12	168.72	76.4%	0	168.72	143.9	0	24.82	9.8%	139.44	561.8%	82.6%	63.1%	
Sub Total:				1,460.8	113	0	51	1,522.8	24.5	98.4%	15.16	1,483.1	154.3	1,328.8	89.6%	0	1,328.8	816.9	0	511.9	33.6%	574.7	112.3%	43.2%	38.8%	
				29.1%				25.2%	24.3%		100.0%	25.0%				24.9%				12.0%		17.9%				
08-Oct-00																										
09-Oct-00	8	28	8.5	238.0	56	85	0	379.0	0	100.0%	0	379.0	51.82	327.18	86.3%	0	327.18	0	0	327.18	86.3%	260.40	79.6%	79.6%	68.7%	
10-Oct-00	8	28	8.5	238.0	56	145	0	439.0	0	100.0%	0	439.0	87.07	351.93	80.2%	0	351.93	2.83	0	349.1	79.5%	292.30	83.7%	83.1%	66.6%	
11-Oct-00	7	28	8.5	238.0	56	85	0	379.0	0	100.0%	0	379.0	61.14	317.86	83.9%	0	317.86	35.8	0	282.06	74.4%	240.12	85.1%	75.5%	63.4%	
12-Oct-00	6	28	8.5	238.0	56	34	0	328.0	8.5	97.4%	0	319.5	36.73	282.77	88.5%	0	282.77	4.66	0	278.11	84.8%	181.33	65.2%	64.1%	56.8%	
13-Oct-00	6	28	8.5	238.0	28	8.25	0	274.3	17	93.8%	0	257.3	18.34	238.91	92.9%	0	238.91	4.66	0	234.25	85.4%	162.01	69.2%	67.8%	63.0%	
Sub Total:				1,190.0	252	357	0	1,799.3	25.5	98.6%	0	1,773.8	255.1	1,518.7	85.6%	0	1,518.7	47.95	0	1,470.7	81.7%	1,136.2	77.3%	74.8%	64.1%	
				23.7%				29.7%	25.2%		0.0%	29.9%				28.4%				34.4%		35.3%				
15-Oct-00																										
16-Oct-00	6	28	8.5	238.0	26	0	6.5	257.5	0	100.0%	0	257.5	15.7	241.8	93.9%	0	241.8	16.95	0	224.85	87.3%	149.02	66.3%	61.6%	57.9%	
17-Oct-00	8	28	8.5	238.0	56	0	0	294.0	8.5	97.1%	0	285.5	14.24	271.26	95.0%	0	271.26	0	0	271.26	92.3%	149.04	54.9%	54.9%	52.2%	
18-Oct-00	8	28	8.5	238.0	28	8.5	0	274.5	8.5	96.9%	0	266.0	30.4	235.6	88.6%	0	235.6	0	0	235.6	85.8%	150.70	64.0%	64.0%	56.7%	
19-Oct-00	8	28	8.5	238.0	56	0	0	294.0	0	100.0%	0	294.0	20.81	273.19	92.9%	0	273.19	0	0	273.19	92.9%	207.00	75.8%	75.8%	70.4%	
20-Oct-00	8	28	8.5	238.0	56	0	0	294.0	0	100.0%	0	294.0	25.48	268.52	91.3%	0	268.52	11.67	0	256.85	87.4%	179.69	70.0%	66.9%	61.1%	
Sub Total:				1,190.0	222	8.5	6.5	1,414.0	17	98.8%	0	1,397.0	106.6	1,290.4	92.4%	0	1,290.4	28.62	0	1,261.8	89.2%	835.4	66.2%	64.7%	59.8%	
				23.7%				23.4%	16.8%		0.0%	23.5%				24.2%				29.5%		26.0%				
21-Oct-00																										
24-Oct-00	8	28	8.5	238.0	28	8.5	0	274.5	17	93.8%	0	257.5	24.85	232.65	90.3%	0	232.65	0	0	232.65	84.8%	176.40	75.8%	75.8%	68.5%	
25-Oct-00	8	28	8.5	238.0	28	0	0	266.0	0	100.0%	0	266.0	16.65	249.35	93.7%	0	249.35	3.99	0	245.36	92.2%	176.40	71.9%	70.7%	66.3%	

Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01 Time : 11:08:44

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avall Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO		
26-Oct-00	8	28	8.5	238.0	28	0	19	247.0	0	100.0%	0	247.0	15.19	231.81	93.9%	0	231.81	5	0	226.81	91.8%	157.46	69.4%	67.9%	63.8%		
Sub Total:				714.0	84	8.5	19	787.5	17	97.8%	0	770.5	56.7	713.8	92.6%	0	713.8	8.99	0	704.8	89.5%	510.3	72.4%	71.5%	66.2%		
				14.2%				13.0%	16.8%		0.0%	13.0%				13.4%			16.5%		15.9%						
<u>29-Oct-00</u>																											
30-Oct-00	8	27	8.5	229.5	26	17	0	272.5	17	93.8%	0	255.5	10.24	245.26	96.0%	0	245.26	11.83	0	233.43	85.7%	141.76	60.7%	57.8%	53.5%		
31-Oct-00	8	27	8.5	229.5	26	0	0	255.5	0	100.0%	0	255.5	11.15	244.35	95.6%	0	244.35	146.3	0	98.02	38.4%	19.87	20.3%	8.1%	7.8%		
Sub Total:				459.0	52	17	0	528.0	17	96.8%	0	511.0	21.4	489.6	95.8%	0	489.6	158.2	0	331.5	62.8%	161.6	48.8%	33.0%	31.6%		
				9.2%				8.7%	16.8%		0.0%	8.6%				9.2%			7.7%		5.0%						
Grand TTL:				5,013.8	723	391	76.5	6,051.5	101	98.3%	15.16	5,935.3	594.1	5,341.3	90.0%	0	5,341.3	1061	0	4,280.6	70.7%	3,218.2	75.2%	60.3%	54.2%		

Performance Measurement System (SS-00138)

Workhour Report AE-5_E1 (PWB)

Print Date: 23-Apr-01 Time: 13:37:11

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr.	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
29-Oct-00																										
01-Nov-00	7	20	8.5	170.0	40	0	0	210.0	0	100.0%	0	210.0	19.99	190.01	90.5%	0	190.01	0	0	190.01	90.5%	263.30	138.6%	138.6%	125.4%	
02-Nov-00	3	20	8.5	170.0	20	22.5	0	212.5	0	100.0%	0	212.5	45.82	166.68	78.4%	0	166.68	27.83	0	138.85	65.3%	87.36	62.9%	52.4%	41.1%	
03-Nov-00	7	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	13.65	176.35	92.8%	0	176.35	0	0	176.35	92.8%	116.76	66.2%	66.2%	61.5%	
Sub Total:				510.0	80	22.5	0	612.5	0	100.0%	0	612.5	79.5	533.0	87.0%	0	533.0	27.83	0	505.2	82.5%	467.4	92.5%	87.7%	76.3%	
				15.8%				15.2%	0.0%		#Num!	15.2%				14.9%				20.5%		24.2%				
05-Nov-00																										
06-Nov-00	7	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	7.49	182.51	96.1%	0	182.51	85	0	97.51	51.3%	103.60	106.2%	56.8%	54.5%	
07-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	7.26	182.74	96.2%	0	182.74	135	0	47.74	25.1%	18.01	37.7%	9.9%	9.5%	
08-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	0	190	100.0%	0	190	190	0	0	0.0%	0.00	#Error	0.0%	0.0%	
09-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	0	190	100.0%	0	190	190	0	0	0.0%	0.00	#Error	0.0%	0.0%	
10-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	0	190	100.0%	0	190	190	0	0	0.0%	0.00	#Error	0.0%	0.0%	
Sub Total:				850.0	100	0	0	950.0	0	100.0%	0	950.0	14.8	935.3	98.4%	0	935.3	790	0	145.3	15.3%	121.6	83.7%	13.0%	12.8%	
				26.3%				23.6%	0.0%		#Num!	23.6%				26.2%				5.9%		6.3%				
12-Nov-00																										
13-Nov-00	6	20	8.5	170.0	58	0	0	228.0	0	100.0%	0	228.0	20.49	207.51	91.0%	0	207.51	0	0	207.51	91.0%	164.98	79.5%	79.5%	72.4%	
14-Nov-00	6	20	8.5	170.0	20	52.5	10	232.5	0	100.0%	0	232.5	32.57	199.93	86.0%	0	199.93	5.88	0	194.05	83.5%	132.10	68.1%	66.1%	56.8%	
15-Nov-00	6	20	8.5	170.0	58	42.5	0	270.5	0	100.0%	0	270.5	50.49	220.01	81.3%	0	220.01	0	0	220.01	81.3%	198.24	90.1%	90.1%	73.3%	
16-Nov-00	6	20	8.5	170.0	52	92.5	0	314.5	0	100.0%	0	314.5	61.66	252.84	80.4%	0	252.84	0	0	252.84	80.4%	204.96	81.1%	81.1%	65.2%	
17-Nov-00	6	20	8.5	170.0	56	92.5	0	318.5	0	100.0%	0	318.5	59.43	259.07	81.3%	0	259.07	2	0	257.07	80.7%	201.29	78.3%	77.7%	63.2%	
Sub Total:				850.0	244	280	10	1,364.0	0	100.0%	0	1,364.0	224.6	1,139.4	83.5%	0	1,139.4	7.88	0	1,131.5	83.0%	901.6	79.7%	79.1%	66.1%	
				26.3%				33.9%	0.0%		#Num!	33.9%				31.9%				45.9%		46.6%				
19-Nov-00																										
20-Nov-00	6	20	8.5	170.0	0	0	0	170.0	0	100.0%	0	170.0	0	170	100.0%	0	170	170	0	0	0.0%	14.08	#Error	8.3%	8.3%	
21-Nov-00	6	20	8.5	170.0	0	0	0	170.0	0	100.0%	0	170.0	10.99	159.01	93.5%	0	159.01	117	0	42.01	24.7%	63.76	151.8%	40.1%	37.5%	
Sub Total:				340.0	0	0	0	340.0	0	100.0%	0	340.0	11.0	329.0	96.8%	0	329.0	287	0	42.0	12.4%	77.8	185.3%	23.7%	22.9%	
				10.5%				8.4%	0.0%		#Num!	8.4%				9.2%				1.7%		4.0%				
26-Nov-00																										

Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01

Time : 13:37:11

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO
27-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	21.65	168.35	88.6%	0	168.35	0	0	168.35	88.6%	54.60	32.4%	32.4%	28.7%
28-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	30.15	159.85	84.1%	0	159.85	0	0	159.85	84.1%	101.64	63.6%	63.6%	53.5%
29-Nov-00	6	20	8.5	170.0	20	0	0	190.0	0	100.0%	0	190.0	34.32	155.68	81.9%	0	155.68	0	0	155.68	81.9%	102.56	65.9%	65.9%	54.0%
30-Nov-00	6	20	8.5	170.0	20	0	0	190.0	2	98.9%	0	188.0	32.98	155.02	82.5%	0	155.02	0	0	155.02	81.6%	106.81	68.9%	68.9%	56.8%
Sub Total:				680.0	80	0	0	760.0	2	99.7%	0	758.0	119.1	638.9	84.3%	0	638.9	0	0	638.9	84.1%	365.6	57.2%	57.2%	48.2%
				21.1%				18.9%	00.0%		#Num!	18.8%					17.9%			25.9%		18.9%			
Grand TTL:				3,230.0	504	303	10	4,026.5	2	100.0%	0	4,024.5	448.9	3,575.6	88.8%	0	3,575.6	1113	0	2,462.9	61.2%	1,934.0	78.5%	54.1%	48.1%

Performance Measurement System (SS-00138)

Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01 Time : 11:09:20

Date	InDir Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
<u>26-Nov-00</u>																										
01-Dec-00	5	15	8.5	127.5	10	0	0	137.5	0	100.0%	0	137.5	37.65	99.85	72.6%	0	99.85	0	0	99.85	72.6%	77.83	77.9%	77.9%	56.6%	
Sub Total:				127.5	10	0	0	137.5	0	100.0%	0	137.5	37.7	99.8	72.6%	0	99.8	0	0	99.8	72.6%	77.8	77.9%	77.9%	56.6%	
				6.2%				6.1%	0.0%		#Num!	6.1%				4.7%			6.6%		6.7%					
<u>03-Dec-00</u>																										
06-Dec-00	2	12	8.5	102.0	12	0	0	114.0	0	100.0%	0	114.0	12.91	101.09	88.7%	0	101.09	1	0	100.09	87.8%	91.99	91.9%	91.0%	80.7%	
07-Dec-00	2.5	13	8.5	110.5	13	0	0	123.5	0	100.0%	0	123.5	3.62	119.88	97.1%	0	119.88	10	0	109.88	89.0%	85.68	78.0%	71.5%	69.4%	
08-Dec-00	2.5	13	8.5	110.5	13	0	0	123.5	0	100.0%	0	123.5	4.33	119.17	96.5%	0	119.17	10	0	109.17	88.4%	97.44	89.3%	81.8%	78.9%	
09-Dec-00	2.5	13	8.5	110.5	0	0	76	34.5	8.5	75.4%	0	26.0	2.955	23.045	88.6%	0	23.045	0.33	0	22.715	65.8%	21.84	96.1%	94.8%	84.0%	
Sub Total:				433.5	38	0	76	395.5	8.5	97.9%	0	387.0	23.8	363.2	93.8%	0	363.2	21.33	0	341.9	86.4%	297.0	86.9%	81.8%	76.7%	
				21.0%				17.5%	50.0%		#Num!	17.3%				17.3%			22.7%		25.7%					
<u>10-Dec-00</u>																										
10-Dec-00	2.5	6.5	8.5	55.3	13	0	0	68.3	0	100.0%	0	68.3	2.74	65.51	96.0%	0	65.51	2	0	63.51	93.1%	49.68	78.2%	75.8%	72.8%	
11-Dec-00	2.5	13	8.5	110.5	13	0	0	123.5	0	100.0%	0	123.5	2.165	121.34	98.2%	0	121.34	97.5	0	23.835	19.3%	25.05	105.1%	20.6%	20.3%	
12-Dec-00	2.5	13	8.5	110.5	13	0	0	123.5	0	100.0%	0	123.5	0	123.5	100.0%	0	123.5	123.5	0	0	0.0%	0.00	#Error	0.0%	0.0%	
13-Dec-00	2.5	13	8.5	110.5	13	0	0	123.5	0	100.0%	0	123.5	0	123.5	100.0%	0	123.5	123.5	0	0	0.0%	0.00	#Error	0.0%	0.0%	
14-Dec-00	2.5	13	8.5	110.5	13	0	0	123.5	0	100.0%	0	123.5	0	123.5	100.0%	0	123.5	123.5	0	0	0.0%	0.00	#Error	0.0%	0.0%	
Sub Total:				497.3	65	0	0	562.3	0	100.0%	0	562.3	4.9	557.3	99.1%	0	557.3	470	0	87.3	15.5%	74.7	85.6%	13.4%	13.3%	
				24.1%				24.9%	0.0%		#Num!	25.1%				26.5%			5.8%		6.5%					
<u>17-Dec-00</u>																										
18-Dec-00	2.5	13	8.5	110.5	13	0	8	115.5	0	100.0%	0	115.5	4.84	110.66	95.8%	0	110.66	103.3	0	7.33	6.3%	42.85	584.6%	38.7%	37.1%	
19-Dec-00	2.5	13	8.5	110.5	26	0	0	136.5	0	100.0%	0	136.5	9.49	127.01	93.0%	0	127.01	0	0	127.01	93.0%	117.58	92.6%	92.6%	86.1%	
20-Dec-00	2.5	13	8.5	110.5	26	0	0	136.5	0	100.0%	0	136.5	9.49	127.01	93.0%	0	127.01	5	0	122.01	89.4%	86.93	71.2%	68.4%	63.7%	
21-Dec-00	2.5	13	8.5	110.5	26	0	0	136.5	0	100.0%	0	136.5	9.49	127.01	93.0%	0	127.01	0	0	127.01	93.0%	84.00	66.1%	66.1%	61.5%	
22-Dec-00	2.5	13	8.5	110.5	26	0	0	136.5	0	100.0%	0	136.5	8.58	127.92	93.7%	0	127.92	0	0	127.92	93.7%	90.30	70.6%	70.6%	66.2%	
Sub Total:				552.5	117	0	8	661.5	0	100.0%	0	661.5	41.9	619.6	93.7%	0	619.6	108.3	0	511.3	77.3%	421.7	82.5%	68.1%	63.7%	
				26.8%				29.3%	0.0%		#Num!	29.5%				29.5%			34.0%		36.6%					
<u>24-Dec-00</u>																										



Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01

Time : 11:09:20

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avall Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO
24-Dec-00	1.25	6.5	8.5	55.3	13	0	0	68.3	0	100.0%	0	68.3	2.17	66.08	96.8%	0	66.08	0	0	66.08	96.8%	40.27	60.9%	60.9%	59.0%
25-Dec-00	3	13	8.5	110.5	26	0	0	136.5	8.5	93.8%	0	128.0	4.34	123.66	96.6%	0	123.66	0	0	123.66	90.6%	77.42	62.6%	62.6%	60.5%
26-Dec-00	2.5	13	8.5	110.5	26	0	0	136.5	0	100.0%	0	136.5	8.96	127.54	93.4%	0	127.54	0	0	127.54	93.4%	84.04	65.9%	65.9%	61.6%
27-Dec-00	2.5	13	8.5	110.5	26	0	0	136.5	0	100.0%	0	136.5	8.95	127.55	93.4%	0	127.55	0	0	127.55	93.4%	76.18	59.7%	59.7%	55.8%
28-Dec-00	1.25	7.5	8.5	63.8	0	0	41.3	22.5	0	100.0%	0	22.5	3.7	18.8	83.6%	0	18.8	0	0	18.8	83.6%	4.14	22.0%	22.0%	18.4%
Sub Total:				450.5	91	0	41.3	500.3	8.5	98.3%	0	491.8	28.1	463.6	94.3%	0	463.6	0	0	463.6	92.7%	282.0	60.8%	60.8%	57.4%
				21.9%				22.2%	50.0%		#Num!	22.0%					22.0%			30.8%		24.5%			
Grand TTL:				2,061.3	321	0	125	2,257.0	17	99.2%	0	2,240.0	136.4	2,103.6	93.9%	0	2,103.6	599.7	0	1,504.0	66.6%	1,153.2	76.7%	54.8%	51.5%

PWBA DAILY REPAIRED RECORD

PRODUCTION LINE : _____

PROCESS : TOUCH UP ICT CBA
 PICTURE CHECKED FINAL INSPECTION

DATE : _____

HIFT : A : _____ B : _____

MODEL : _____

JON No : _____

TECHNICIAN NAME : _____

CONFIRM BY : _____

NO	SYMPTOM	POSITION NO	BOARD	CAUSE	Vendor	OPR Name	SIDE	
							A	B
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

NO	SYMPTOM	POSITION NO	BOARD	CAUSE	Vendor	OPR Name	SIDE	
							A	B
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

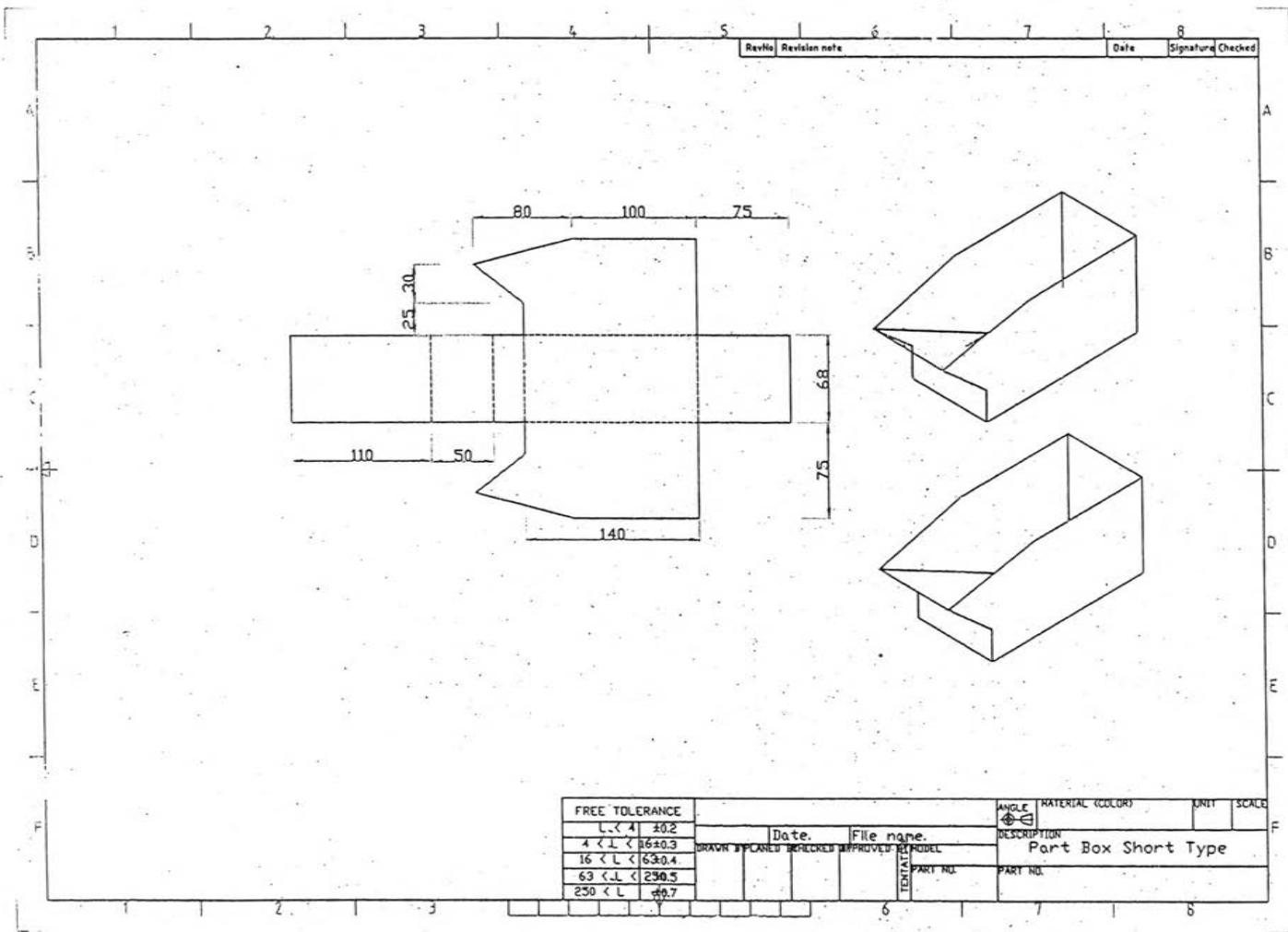
Output + Defect - Wip -

REPAIR CAUSE OF DEFECTIVE

- | | | | | | | | |
|--|--|--|---|---|---|---|--|
| <p>B : Hand mount</p> <ul style="list-style-type: none"> B1 : Wrong position B2 : Wrong position B3 : Wrong position B4 : Wrong position B5 : Wrong position B6 : Wrong position B7 : Wrong position B8 : Wrong position B9 : Wrong position B10 : Wrong position B11 : Wrong position B12 : Wrong position B13 : Wrong position B14 : Wrong position B15 : Wrong position B16 : Wrong position B17 : Wrong position B18 : Wrong position B19 : Wrong position B20 : Wrong position | <p>C : Auto Mount</p> <ul style="list-style-type: none"> C1 : Teething jig C2 : Teething jig C3 : Teething jig C4 : Teething jig C5 : Teething jig C6 : Teething jig C7 : Teething jig C8 : Teething jig C9 : Teething jig C10 : Teething jig C11 : Teething jig C12 : Teething jig C13 : Teething jig C14 : Teething jig C15 : Teething jig C16 : Teething jig C17 : Teething jig C18 : Teething jig C19 : Teething jig C20 : Teething jig | <p>P : Soldering</p> <ul style="list-style-type: none"> P1 : Solder bridge P2 : No solder P3 : Floating leg P4 : Cold solder P5 : Solder bridge P6 : Solder bridge P7 : Solder bridge P8 : Solder bridge P9 : Solder bridge P10 : Solder bridge P11 : Solder bridge P12 : Solder bridge P13 : Solder bridge P14 : Solder bridge P15 : Solder bridge P16 : Solder bridge P17 : Solder bridge P18 : Solder bridge P19 : Solder bridge P20 : Solder bridge | <p>L : Mechanical part</p> <ul style="list-style-type: none"> L1 : Scratch L2 : Box loosen L3 : Cover scratch / broken L4 : Button no good L5 : Missing part from vendor L6 : Printing jig L7 : No printing L8 : Chassis SEMA holding L9 : Chassis SEMA holding L10 : Chassis SEMA holding L11 : Chassis SEMA holding L12 : Chassis SEMA holding L13 : Chassis SEMA holding L14 : Chassis SEMA holding L15 : Chassis SEMA holding L16 : Chassis SEMA holding L17 : Chassis SEMA holding L18 : Chassis SEMA holding L19 : Chassis SEMA holding L20 : Chassis SEMA holding | <p>E : Semiconductor part</p> <ul style="list-style-type: none"> E1 : Part Defect E2 : Open E3 : Short E4 : Short E5 : Short E6 : Short E7 : Short E8 : Short E9 : Short E10 : Short E11 : Short E12 : Short E13 : Short E14 : Short E15 : Short E16 : Short E17 : Short E18 : Short E19 : Short E20 : Short | <p>G : TUNER</p> <ul style="list-style-type: none"> G1 : Tuner G2 : Tuner G3 : Tuner G4 : Tuner G5 : Tuner G6 : Tuner G7 : Tuner G8 : Tuner G9 : Tuner G10 : Tuner G11 : Tuner G12 : Tuner G13 : Tuner G14 : Tuner G15 : Tuner G16 : Tuner G17 : Tuner G18 : Tuner G19 : Tuner G20 : Tuner | <p>X : PBT</p> <ul style="list-style-type: none"> X1 : PBT X2 : PBT X3 : PBT X4 : PBT X5 : PBT X6 : PBT X7 : PBT X8 : PBT X9 : PBT X10 : PBT X11 : PBT X12 : PBT X13 : PBT X14 : PBT X15 : PBT X16 : PBT X17 : PBT X18 : PBT X19 : PBT X20 : PBT | <p>R : RE - Adjust OK</p> <ul style="list-style-type: none"> R1 : RE - Adjust OK R2 : RE - Adjust OK R3 : RE - Adjust OK R4 : RE - Adjust OK R5 : RE - Adjust OK R6 : RE - Adjust OK R7 : RE - Adjust OK R8 : RE - Adjust OK R9 : RE - Adjust OK R10 : RE - Adjust OK R11 : RE - Adjust OK R12 : RE - Adjust OK R13 : RE - Adjust OK R14 : RE - Adjust OK R15 : RE - Adjust OK R16 : RE - Adjust OK R17 : RE - Adjust OK R18 : RE - Adjust OK R19 : RE - Adjust OK R20 : RE - Adjust OK |
|--|--|--|---|---|---|---|--|

Appendix 3.7 : Format of Daily Repair Record

Appendix 4.1 : Part Box Drawing Short Type



FREE TOLERANCE	Date.	File name.	ANGLE	MATERIAL (COLOR)	UNIT	SCALE
L < L < ±0.2			⊕			
4 < L < 16 ±0.3						
16 < L < 63 ±0.4						
63 < L < 250 ±0.5						
250 < L < ±0.7						
	DRAWN BY	CHECKED BY	APPROVED BY	MODEL	DESCRIPTION Part Box Short Type	
					PART NO.	PART NO.

		EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Documentrol
WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60				
	Process : HAND MOUNT				
	Station : 1				
	Board : D				
	DCC #: W20167 ISSUE #: 1				
	Effective date : January 01, 2001				

****ก่อนใส่พาร์ท ให้ตรวจดู สติกเกอร์บนบอร์ด ทุกบอร์ด****
จะต้องพิมพ์ " A1642270A "

Appendix 4.2 : Work Instruction of Hand Mount Process (Cell)

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* ใช้พาร์ทที่มีเบอร์และ ID MARK ทุกจุด/กล่อง ก่อนใช้พาร์ท * สำหรับพาร์ท SAFETY ใช้พาร์ทที่มีเบอร์, ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุด/กล่อง/ฉาก ก่อนใช้ทุกครั้ง

* มีผู้ใช้พาร์ทที่ตก/หล่น ให้แยกพาร์ทที่ ตก/หล่น ไว้ในกล่องพาร์ทเสีย - ให้หยิบ / จับ / ถือ บอร์ดด้วยความระมัดระวังกับบริเวณขอบบอร์ด

ห้าม สัมผัสตัวอุปกรณ์บนบอร์ดและพยายามหลีกเลี่ยงการสัมผัสไอ้ส่วนวงจรที่อันตราย

PAGE 1 OF 12

#CCL SAFETY : พาร์ท SAFETY พาร์ทที่มีผลต่อความปลอดภัย ของผลิตภัณฑ์ **# SAFETY OPERATION** : ขั้นตอนการทำงานที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์

หมายเหตุ ● : พาร์ทที่ต้องระวังทิศทางในการประกอบบนบอร์ด P : พาร์ทที่ต้องทำการ Prework ▲ : แสดงจุดที่เปลี่ยนแปลงเมื่อมีการแก้ไข W/I

WORK INSTRUCTION Document level 3		Chassis : AE-5 Model : 28FX60 Process : HAND MOUNT Station : 1 Board : D		EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
1(L) CN6101	1(R) CN6100	2(L) CN6102	2(R) CN6600	3(L) R6620	3(R) IC6654	4(L) R6632	4(R) R6649
1-785-802-11 20P	1-785-802-11 20P	1-785-802-11 20P	1-695-299-12 50P	1-249-443-91 0.47 _W	8-759-574-76 8-759-069-28 KA78R05-PQ05RF11	1-217-193-11 0.27 _W	1-215-926-51 33K
5(L) C6620	5(R) T6651	6(L) IC6651	6(R) C6655	7(L) R6613	7(R) R6616	8(L) D6658	8(R) D6651
1-136-618-11 473J	1-431-732-21 732-21 #CCL:143173221	8-759-468-89 TOP209P	1-107-974-91 47J 2KV	1-216-369-51 1.0 _W	1-216-369-51 1.0 _W	8-719-068-00 C04-06	8-719-068-00 C04-06
9(L) C6611	9(R) C6610	10(L) C6651	10(R) C6609	11(L) R6666	11(R) D6604	12(L) R6601	12(R) R6606
1-161-964-91 472Z 250V	1-161-964-91 472Z 250V	1-161-964-91 472Z 250V	1-161-964-91 472Z 250V	1-220-778-21 0.1 _W	8-719-510-63 D4S860L	1-202-968-11 MPC722 1-202-968-31 1.2 _W	1-202-968-11 MPC722 1-202-968-31 1.2 _W
13(L) CN6700	13(R) T6600	14(L) C6628	14(R) IC6600	15(L) R6896	15(R) R6895	16(L) R6858	16(R) R6859
1-691-291-11 5P (พาร์ทของ J P)	1-431-616-11 616 #CCL: 616-XX	1-126-936-31 3300_F 16V	1-810-051-11 DM-48	1-249-443-91 0.47 _W	1-249-443-91 0.47 _W	1-216-486-51 8.2K 3W	1-216-486-51 8.2K 3W
17(L)	17(R) R6813	18(L) TH6660	18(R) C6825				
	1-215-920-51 3.3K	1-803-586-11 M22007	1-115-514-21 PMV224J 250V				
						SAFETY OPERATION	

* ใช้หมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

* ใช้หมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

มีหมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

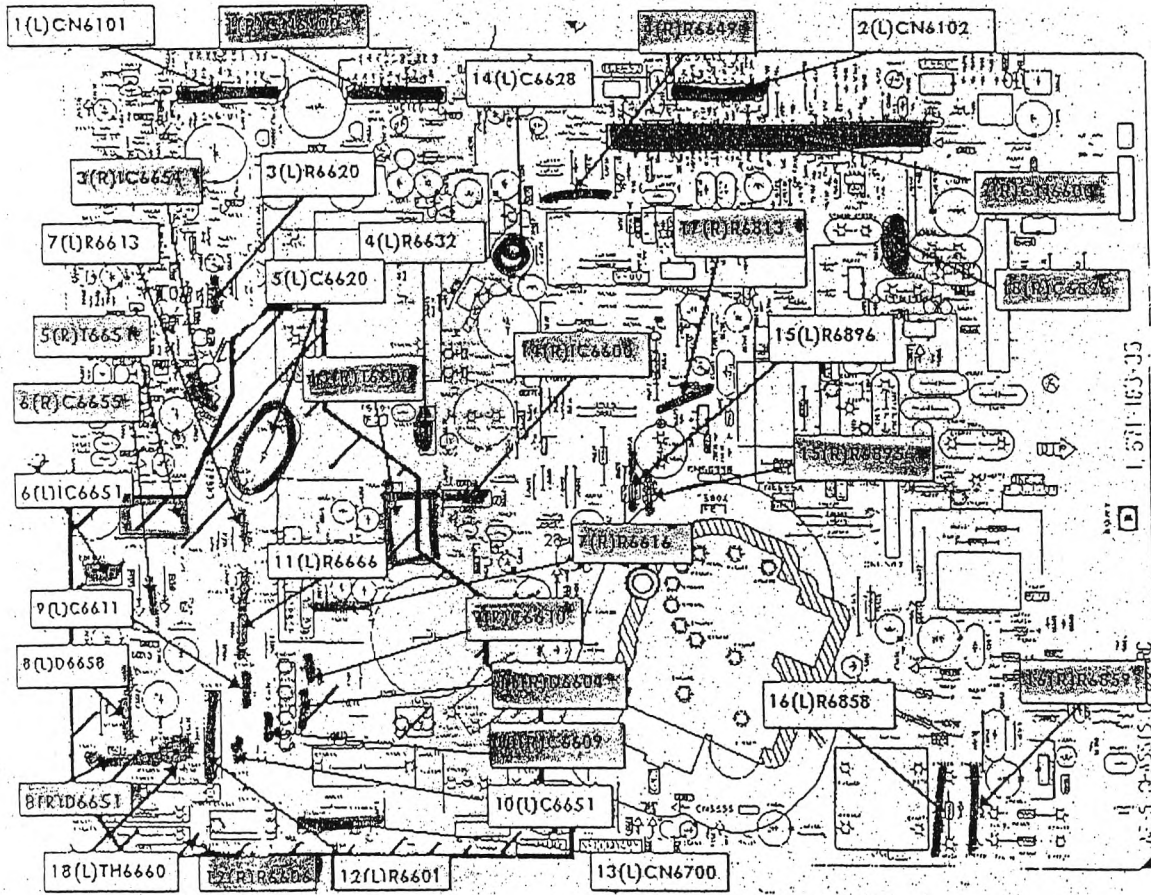
มีหมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

มีหมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

มีหมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

มีหมึกที่ระบุด้วย ID MARK ทุกจุดต่อกับใช้หมึก * ใช้หมึกที่ระบุด้วย SAFETY ใช้หมึกที่ระบุด้วย ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ จุดต่อต่อจาก ต่อกับใช้หมึก

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT				
Station : 1					
Board : D					
DCC # : W20167 ISSUE # : 1					
Effective date : January 01, 2001					



SAFETY
OPERATION

เครื่องหมายและ ID MARK ทุกจุดต้อง ต้องใช้ให้ชัด - ห้ามใช้พรีท SAFETY หรือเครื่องหมาย, ID MARK, CCL หรือ ID MARK อื่นๆ หรือ 1 ตัว ต่อ จุดต่อ/สาย ต่อให้ชัดเจน

ห้ามใช้พรีทที่ตกผ่าน ไฟฟ้าพรีทที่ ตกผ่าน ไว้ในช่องพรีทด้วย - ห้ามเดิน / ดึง / ดัน สายหรือสายการประจักษ์หรือสายอื่นที่เกี่ยวของกับพรีท

ห้าม ยึดพรีทกับพรีทและพรีทอื่นหรือพรีทอื่นที่ติดกับพรีทอื่น
#CCL SAFETY : พรีท SAFETY พรีทที่มีเครื่องหมายความปลอดภัย ของพรีทด้วย

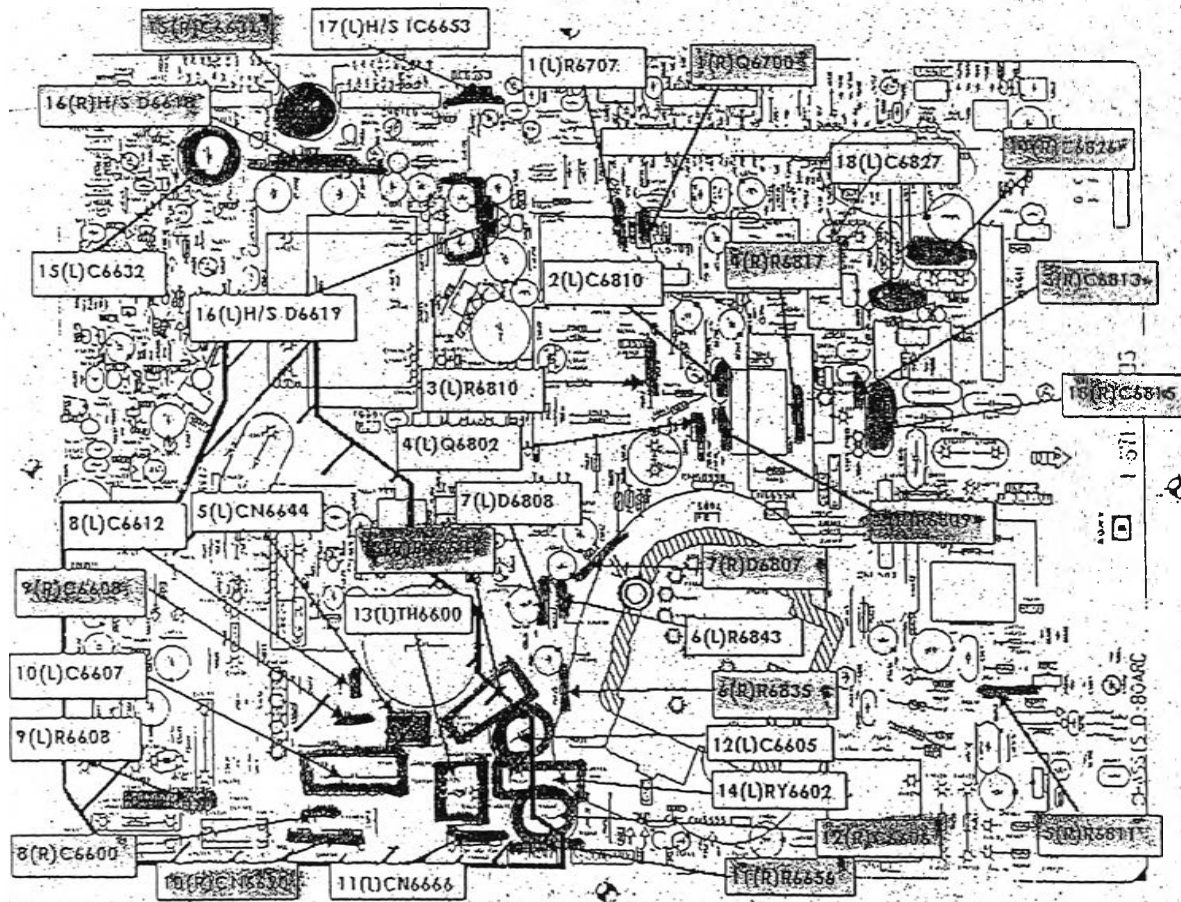
SAFETY OPERATION

จุดต่อพรีทที่งานที่ติดหรือจะมีการปลดกับของพรีทด้วย ห้ามขาดพรีท - พรีทที่ติดจะพรีทภายในพรีทของพรีท

P : พรีทที่ติดพรีท Prework

▲ : แทนจุดที่เปลี่ยนพรีทหรือพรีทอื่น

WORK INSTRUCTION Document level 3	Chassis : AE.5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT				
Station : 2					
Board : D					
DCC # : W20157 ISSUE # : 1					
Effective date : January 01, 2001					



SAFETY
OPERATION

• ระบุตำแหน่งของ ID MARK ทุกจุดด้วย ลวดไฟหรือ • ระบุพื้นที่ SAFETY ระบุตำแหน่ง, ID MARK, CCL# ID MARK ตามแบบ 1 ว่า ไม่ควรแตะต้อง ส่วนใดก็ได้

• ระบุใช้พื้นที่ที่กำหนด ให้แยกพื้นที่ที่กำหนดไว้โดยเคร่งครัด • ไฟติด / ด้ / ด้ ระบุด้วยวิธีการระบุที่ระบุไว้ตามแบบ

รูปนี้ เป็นตัวอย่างการระบุตำแหน่งและตำแหน่งที่ระบุการติดตั้งในบริเวณที่ระบุ

#CCL SAFETY : รหัส SAFETY พื้นที่ที่มีความปลอดภัย ขอบเขต

SAFETY OPERATION : ขั้นตอนการดำเนินงานที่จำเป็นก่อนการประกอบชิ้นงาน

หมายเหตุ : รหัสที่ระบุไว้เป็นการระบุตำแหน่ง

P : รหัสที่ระบุการ Power

△ : หมายเหตุเป็นเพียงกรณีตัวอย่าง

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WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT Station : 2 Board : D				
	DCC # : W20167 ISSUE # : 2 Effective date : January 01, 2001				

H/S PRE - ASSY D6619, D6618, IC6653

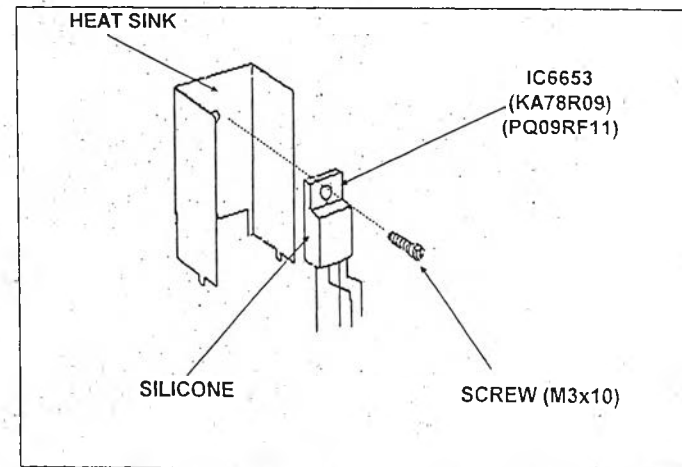
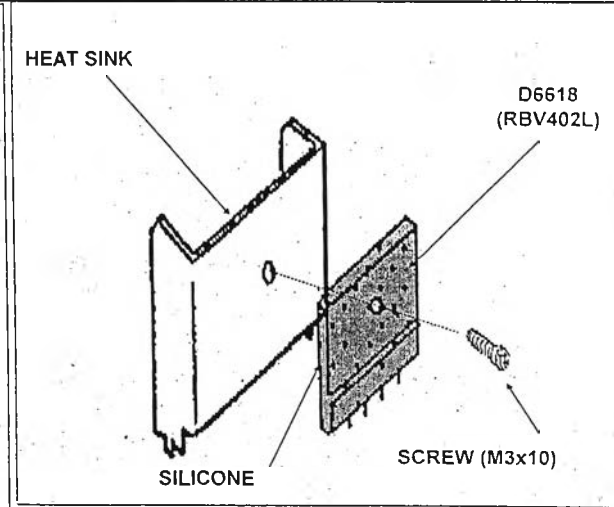
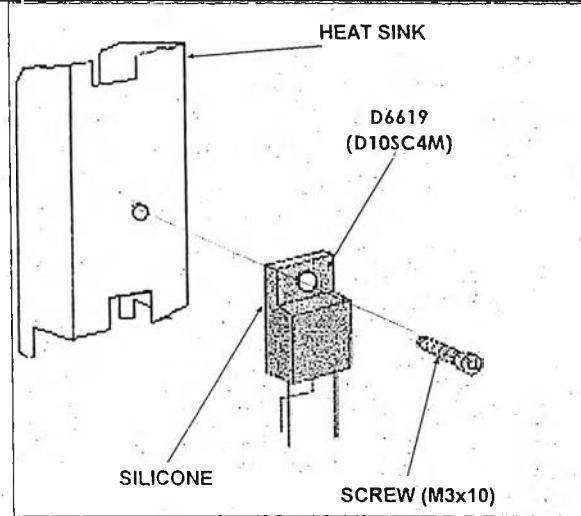
ขั้นตอนการทำงาน

- วางฮีทซิงค์ลงบนจิ๊กตามลำดับให้ครบทั้ง 3 ตำแหน่ง
- ทาซิลิโคนลงบนหลังพาร์ททั้ง 3 ตัวตามลำดับที่ระบุบน WI
***** ต้องทาซิลิโคนให้เต็มตัวพาร์ท *****
- วางตัวพาร์ทลงบนฮีทซิงค์ให้ครบทั้ง 3 ตำแหน่ง
- ยึดสกรูตัวพาร์ทให้ติดกับฮีทซิงค์ให้ครบทั้ง 3 ตัว
- ก่อนถอดฮีทซิงค์ออกจากจิ๊กต้องเช็ควาสกรูต้องแน่นและยึดครบทุกตัว

ข้อควรระวัง

- ซิลิโคนจะต้องไม่เลอะขาพาร์ทโดยเด็ดขาด
- หลังจากสกรูพาร์ทเข้ากับฮีทซิงค์แล้ว
ซิลิโคนจะต้องไม่เลอะออกนอกตัวพาร์ทเกิน 2 มม

หมายเหตุ : ให้ใช้แรงบิดในการขันสกรู ฮีทซิงค์ 3.5 + 0.5 กก.ซม



พาร์ทที่ใช้	พาร์ทอเลกทริก	ฮีทซิงค์	GREASE SILICONE	SCREW
D6619 P	8-719-060-45 (D10SC4M)	4-380-617-51	7-662-001-91 (SG6260)	4-382-854-11 (M3 x 10)
D6618 P	8-719-079-50 (RBV402L)	4-202-694-11	7-662-001-91 (SG6260)	4-382-854-11 (M3 x 10)
IC6653	8-759-513-73 (PQ09RF11) 8-759-574-77 (KA78R09)	4-063-946-31	7-662-001-91 (SG6260)	4-382-854-11 (M3 x 10)

* เช็คพาร์ทตามเบอร์และ ID MARK ทุกจุดก่อนประกอบ - สำหรับพาร์ท SAFETY รหัสพาร์ทบนเบอร์, ID MARK, CCL# ID MARK อย่างน้อย 1 ตัว ต่อ 1จุดต่อจุด/แถว ก่อนใช้ * ห้าม ใช้พาร์ทที่กด/หมั่น ให้แตกพาร์ทที่ กด/หมั่น ไว้ในกล่องพาร์ทเดิม * ไฟฟ้า / อิน / ถึง ขอรหัสความปลอดภัยที่ระบุไว้บนบอร์ด

ห้าม ต้นไม้ตัวอุปกรณ์บนบอร์ดและพยายามหลีกเลี่ยงการสัมผัสไอของจอร์อันล่างบอร์ด

SAFETY : พาร์ท SAFETY พาร์ทที่มีผลต่อความปลอดภัยของผลิตภัณฑ์ # SAFETY OPERATION

ขั้นตอนการทำงานที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์

หมายเหตุ : พาร์ทที่ใส่จะระบุไว้ที่กล่องบนบอร์ด

P : พาร์ทที่ต้องทำการ Prework

△ : แสดงจุดที่เปลี่ยนแปลงเมื่อมีการแก้ไข WI

WORK INSTRUCTION Document level 3		Chassis : AE-S Model : 28FX60		EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
		Process : HAND MOUNT					
		Station : 3					
		Board : D					
		DCC # : W20167		ISSUE # : 1			
		Effective date : January 01, 2001					
1(L)	1(R)	2(L)	2(R)	3(L)	3(R)	4(L)	4(R)
			IC6801	C6812	LF6801	C6824	C6814
			8-759-987-16 LM393P	1-162-131-91 221K	1-406-985-11 222	1-117-659-11 PMS104J 250V	1-117-641-11 PHS752H 1250V
5(L)	5(R)	6(L)	6(R)	7(L)	7(R)	8(L)	8(R)
C6844	L6807	C6820	C6819	C6818	C6817		CN6611
1-115-513-21 PMV184J 250V	1-410-397-11 1.10UH	1-125-893-11 PHS681H 1500V	1-125-893-11 PHS681H 1500V	1-125-893-11 PHS681H 1500V	1-125-893-11 PHS681H 1500V		1-785-270-12 6P
9(L)	9(R)	10(L)	10(R)	11(L)	11(R)	12(L)	12(R)
R6815	R6814	CN6500	R6832	R6816	R6808	R6812	Q6801
1-215-880-51 10 _W	1-215-880-51 10 _W	1-508-766-13 4P	1-216-434-51 1.8K	1-216-361-51 0.22 _W	1-260-340-51 10K	1-215-895-51 3.3K	8-729-119-80 C2688
13(L)	13(R)	14(L)	14(R)	15(L)	15(R)	16(L)	16(R)
C6852	C6830	H/S D6616	C6629	C6630	H/S D6617	C6836	H/S Q6805
1-162-129-51 151K	1-107-655-91 47 _W F 250V	8-719-060-45 D10S C4M	1-128-548-61 4700 _W F 25V	1-110-626-41 330 _W F 160V	8-719-053-41 D8LC40	1-123-024-51 33 _W F 160V	8-729-038-83 K2251
17(L)	17(R)	18(L)	18(R)				
R6837	R6839	R6856	R6857				
1-215-919-51 2.2K	1-215-919-51 2.2K	1-216-486-51 8.2K 3W	1-216-486-51 8.2K 3W				

* ใช้รหัสที่ระบุในชื่อ : ID MARK ทุกๆอย่าง ก่อนใช้พิมพ์ * ใช้รหัสว่า SAFETY / รหัสที่ระบุในชื่อ : ID MARK, CCL* ID MARK อย่างน้อย 1 ตัว คือ เลขที่ระบุก่อน ก่อนใช้ทุกตัว

ห้าม ยึดตัวอุปกรณ์บนบอร์ดและหมอบนบอร์ดซึ่งการยึดมีไฟในวงจรต้นอย่างบอร์ด

CCL SAFETY : รหัส SAFETY รหัสที่ขึ้นต้นด้วยความปลอดภัย ของผลิตภัณฑ์

SAFETY OPERATION

ห้ามการเชื่อมที่ขึ้นต้นด้วยความปลอดภัยของผลิตภัณฑ์

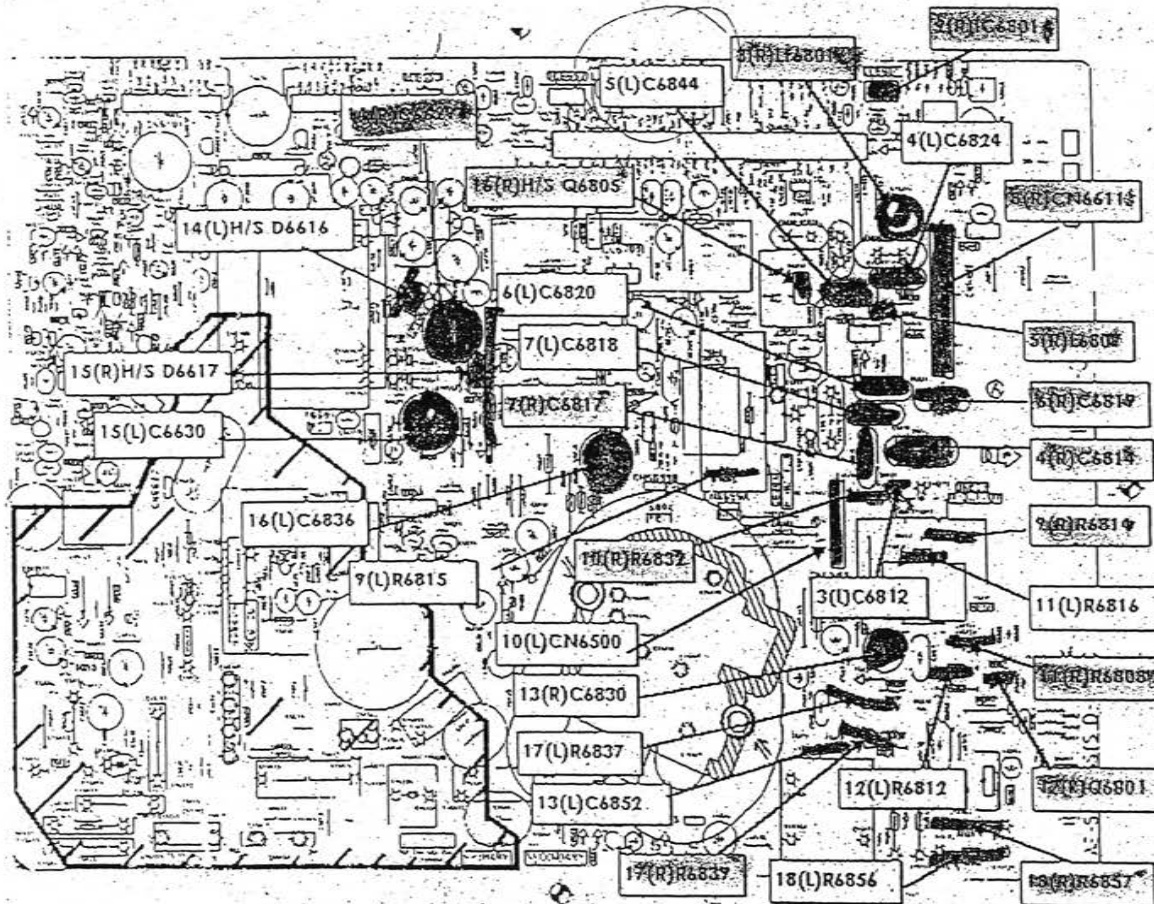
* ห้ามใช้การที่กดหมอบไม่พบการที่กดหมอบไว้ในกล่องรหัสชื่อ * 1 หัก/ ยับ / ฉีก บอร์ดด้วยความระมัดระวังที่บริเวณของหมอบ

หมอบทุก : รหัสที่ขึ้นต้นด้วยรหัสการประกอบบนบอร์ด

P : รหัสที่ขึ้นต้นด้วย Prework

△ : หมอบทุกที่เปลี่ยนเปลี่ยนมีรหัสการเปลี่ยน

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT			เพิ่มการใส่พาร์ท 1-410-397-11ที่ตำแหน่ง L6807 และลดขนาดการใส่พาร์ทใหม่	
Station : 3					
Board : D					
DCC # : W20167 ISSUE # : 1					
Effective date : January 01, 2001					



* สำหรับหมายเลข ID MARK ของกล่อง ต้องใช้พาร์ท * สำหรับพาร์ท SAFETY สำหรับหมายเลข ID MARK, CCL# ID MARK ส่วนนี้ขอ 1 ตัว ต่อ กล่องขนาด ต้องใช้พาร์ท
 * สำหรับพาร์ท SAFETY หรือพาร์ทที่มีลักษณะคล้ายกันที่วางไว้บนบอร์ด
 * สำหรับพาร์ท SAFETY พาร์ทที่มีลักษณะคล้ายกันที่วางไว้บนบอร์ด

* สำหรับพาร์ทที่มีลักษณะคล้ายกันที่วางไว้บนบอร์ด * สำหรับพาร์ทที่มีลักษณะคล้ายกันที่วางไว้บนบอร์ด
 * สำหรับพาร์ทที่มีลักษณะคล้ายกันที่วางไว้บนบอร์ด * สำหรับพาร์ทที่มีลักษณะคล้ายกันที่วางไว้บนบอร์ด

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT Station : 3 Board : D				
	DCC # : W20167 ISSUE # : 1 Effective date : January 01, 2001				

H/S PRE - ASSY D6616 , D6617, Q6805

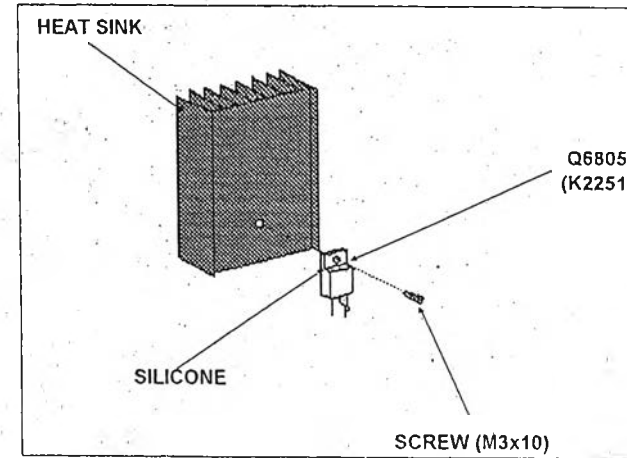
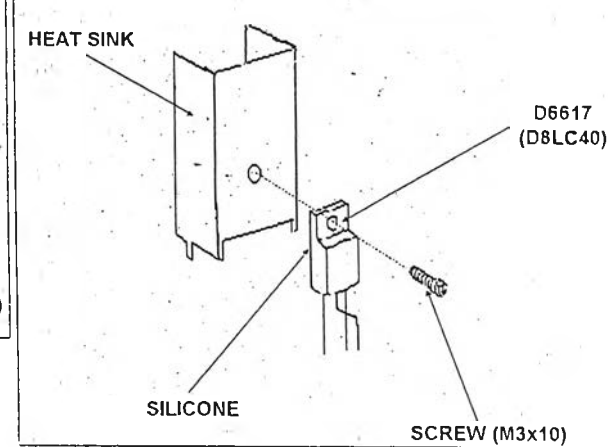
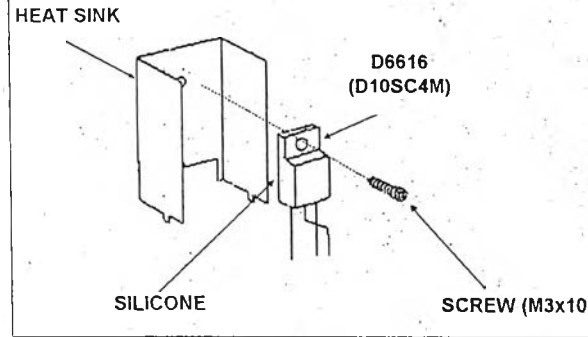
ขั้นตอนการทำงาน

- วางฮีทซิงค์ลงบนจิ๊กตามลำดับให้ครบทั้ง 3 ตำแหน่ง
- ทาซิลิโคนลงบนหลังพาร์ททั้ง 3 ตัวตามลำดับที่ระบุบน WI ***** ต้องทาซิลิโคนให้เต็มตัวพาร์ท *****
- วางตัวพาร์ทลงบนฮีทซิงค์ให้ครบทั้ง 3 ตำแหน่ง
- ยึดสกรูตัวพาร์ทให้ติดกับฮีทซิงค์ให้ครบทั้ง 3 ตัว
- ก่อนถอดฮีทซิงค์ออกจากจิ๊กต้องเช็คตัวสกรูต้องแน่นและยึดครบทุกตัว

ข้อควรระวัง

- ซิลิโคนจะต้องไม่เลอะขาพาร์ทโดยเด็ดขาด
- หลังจากสกรูพาร์ทเข้ากับฮีทซิงค์แล้ว ซิลิโคนจะต้องไม่เลอะออกนอกตัวพาร์ทเกิน 2 มม

หมายเหตุ : ให้ใช้แรงบิดในการขันสกรู ฮีทซิงค์ 3.5 ± 0.5 กก.ซม



พาร์ทที่ใช้	พาร์ทอีกรหัส	ฮีทซิงค์	GREASE SILICONE	SCREW
D6616 P	8-719-060-45 (D10SC4M)	4-063-946-31	7-662-001-91	4-382-854-11 (M3 x 10)
D6617	8-719-053-41 (D8LC40)	4-202-694-11	7-662-001-91	4-382-854-11 (M3 x 10)
Q6805 P	8-729-038-83 (K2251)	4-205-706-01	7-662-001-91	4-382-854-11 (M3 x 10)

* ใช้พาร์ทที่มีเบอร์และ ID MARK ทุกจุด/กล่อง ก่อนใช้พาร์ท * สำหรับพาร์ท SAFETY ใช้พาร์ทที่มีเบอร์, ID MARK, CCLM ID MARK อย่างน้อย 1 ตัว ต่อ จุด/กล่อง/ขา ต่อไป * ห้ามใช้พาร์ทที่ผิด/หล่น ให้แยกพาร์ทที่ผิด/หล่นไว้ในกล่องพาร์ทเสีย * ให้อินพุท / อีพ / ดีซี ชอร์ตด้วยความระมัดระวังกับบริเวณของบอร์ด

ห้าม สัมผัสตัวอุปกรณ์บนบอร์ดและพยายามหลีกเลี่ยงการสัมผัสกับไฟในวงจรต้นถ่วงบอร์ด

SAFETY : พาร์ท SAFETY พาร์ทที่มีผลต่อความปลอดภัย ของผลิตภัณฑ์ # SAFETY OPERATION

ขั้นตอนการทำงานที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์

หมายเหตุ : พาร์ทที่ใส่จะระบุถึงทิศทางการประกอบบนบอร์ด P : พาร์ทที่ห้องทำการ Prework

△ : แสดงจุดที่เปลี่ยนแปลงเมื่อมีการแก้ไข WI

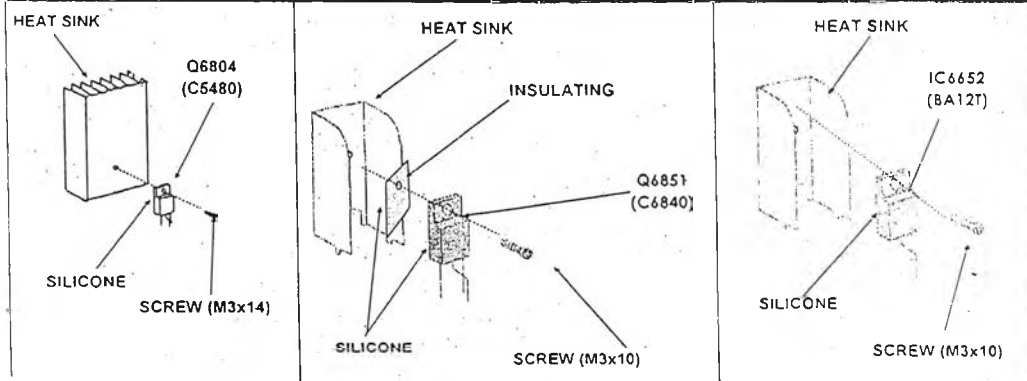
© PROCESSTHEWARRANTMACHINEWARRANT11001_01_03

WORK INSTRUCTION Document level 3	Chassis : AE-5 Model : 28FX60	EFFECTIVE DATE	DESCRIPTION	REFERENCE	Original Document
	Process : HAND MOUNT Station : 4 Board : D				
	DCC # : W20167 ISSUE # : 1 Effective date : January 01, 2001				

H/S PRE - ASSY Q6851,Q6803,Q6806,Q6804,IC6700,IC6652,IC6604

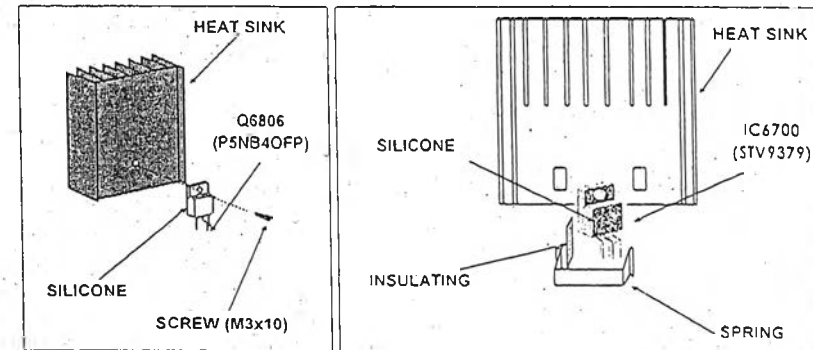
ขั้นตอนการทำงาน

- วางอิฐของลงบนอีกตามลำดับให้ครบทั้ง 7 ตำแหน่ง
- ทาซิลิโคนลงบน INSULATING ตรงด้านที่วางลงบนอิฐซึ่งที่ตำแหน่ง Q6851,IC6700
- ทาซิลิโคนลงบนหลังพาร์ททั้ง 7 ตัวตามลำดับที่ระบุบน WI
..... ต้องทาซิลิโคนให้เต็มตัวพาร์ท
- วางตัวพาร์ทลงบน HEAT SINK หรือ INSULATING ให้ครบทั้ง 7 ตำแหน่ง
- ที่ตำแหน่ง IC6700 ให้ใช้ SPRING,IC ติดตัวพาร์ทให้ติดกับอิฐซึ่ง
- ยึดสกรูตัวพาร์ทให้ติดกับอิฐซึ่งให้ครบทั้ง 6 ตัว
- ก่อนถอดอิฐซึ่งออกจากอีกต้องเช็คว่าสกรูต้องแน่นและยึดครบทุกตัว

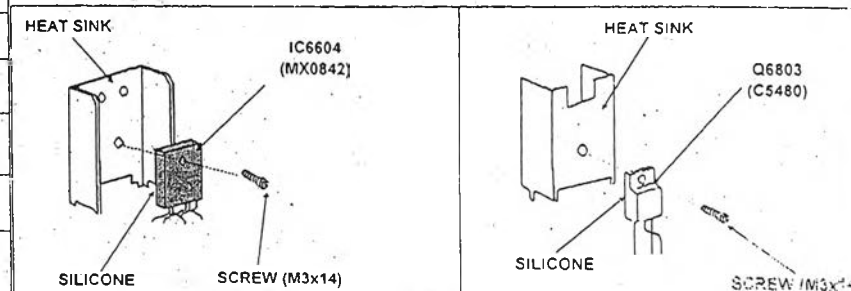


ข้อควรระวัง

- ซิลิโคนจะต้องไม่เลอะขาพาร์ทโดยเด็ดขาด
- หลังจากสกรูพาร์ทเข้ากับอิฐซึ่งแล้ว
ซิลิโคนจะต้องไม่เลอะออกนอกตัวพาร์ทเกิน 2 มม
- ที่ตำแหน่ง IC6700 ก่อนใส่ลงบนบอร์ดต้องดูว่ามี SPRING,IC อยู่ในตัวพาร์ทและพาร์ทต้องติดแน่นสนิทกับอิฐซึ่งทุกตัว
หมายเหตุ : ให้ใช้แรงบิดในการขันสกรู อิฐซึ่ง 3.5 ± 0.5 กก.ซม



พาร์ทที่ใช้	พาร์ทอีกกรรอนิกท์	อิฐซึ่ง	GREASE SILICONE	SCREW	SPRING,IC	INSULATING
Q6851	8-729-011-06 (C3840)	4-063-946-31	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)	----	4-201-023-21
Q6803	8-729-046-18 8-729-055-09 (C5480)	4-204-044-51	7-662-001-91 (YG6260)	4-382-854-21 (M3 x 14)	----	----
Q6806	8-729-047-59 (P5NB40FP)	4-205-706-01	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)	----	----
Q6804	8-729-046-18 8-729-055-09 (C5480)	4-036-629-71	7-662-001-91 (YG6260)	4-382-854-21 (M3 x 14)	----	----
IC6700	8-759-192-71 (STV9379)	4-204-518-21	7-662-001-91 (YG6260)	----	4-202-373-11	4-201-023-21
IC6652 P	8-759-394-35 (BA12T)	4-063-946-31	7-662-001-91 (YG6260)	4-382-854-11 (M3 x 10)	----	----
IC6604	8-729-045-40 (MX0842)	4-204-713-11	7-662-001-91 (YG6260)	4-382-854-21 (M3 x 14)	----	----



โปรดอ่านคู่มือประกอบ (E) MARK ทุกองค์ประกอบ ก่อนใช้พาร์ท - สำหรับพาร์ท SAFETY ใช้เฉพาะพาร์ทเบอร์, ID MARK, CCL ID MARK ของเบอร์ 1 หรือ 103/ของอีก 1 คนในทีม - ห้ามใช้พาร์ทที่หัก/งอ/ให้แตกพาร์ทที่แตก/งอไว้บนถาดพาร์ทอิฐ - ให้หยิบ / จับ / ถือ เบอร์ด้วยความระมัดระวังที่บริเวณขอบเบอร์

ขั้นต้นแล้วจึงปฏิบัติตามเบอร์จัดและพยายามหลีกเลี่ยงการสัมผัสโลหะร้อนหรืองานร้อน

SAFETY พาร์ท SAFETY พาร์ทที่มีผลกระทบต่อความปลอดภัยของผลิตภัณฑ์ # SAFETY OPERATION

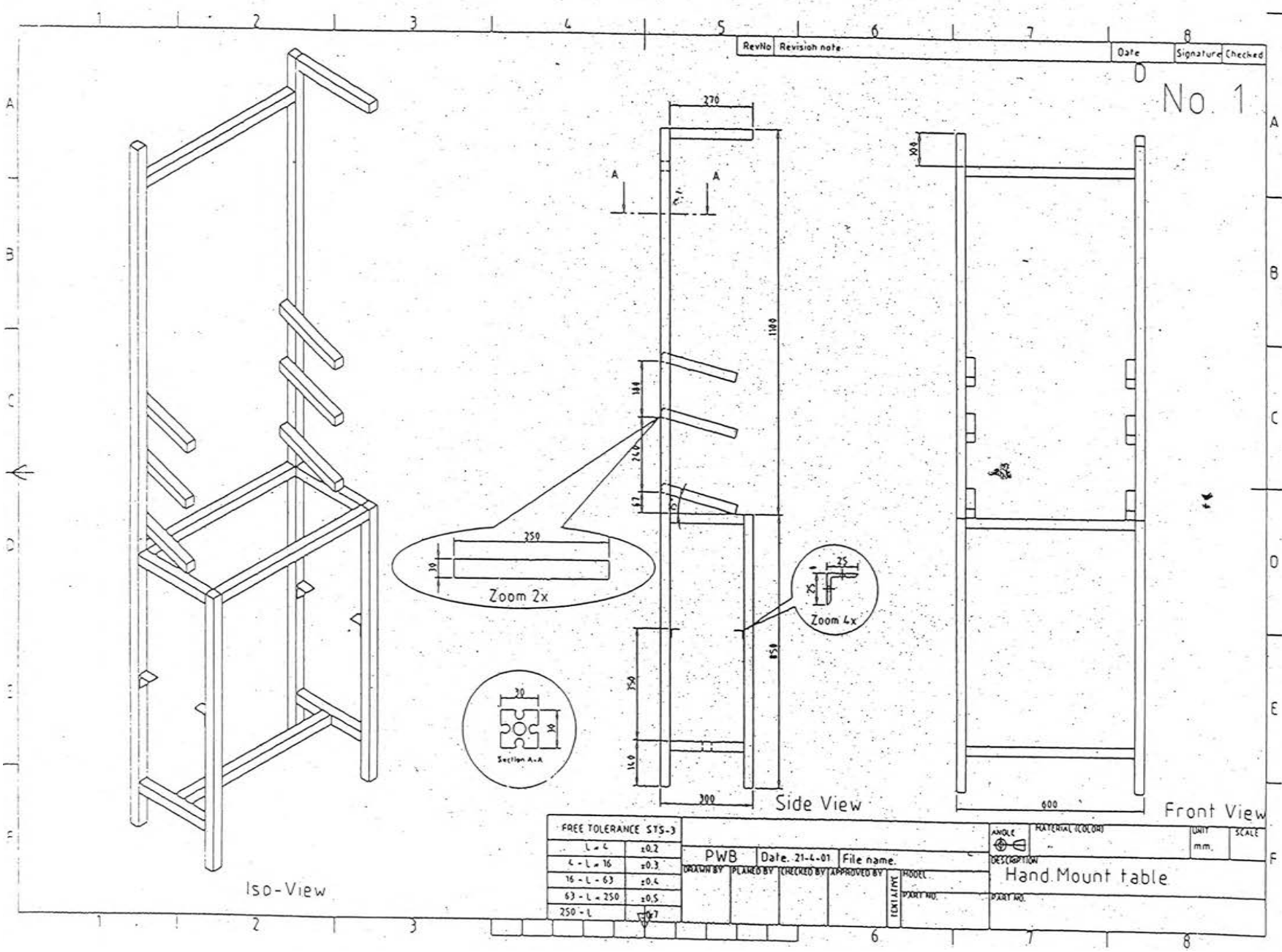
ขั้นตอนการทำงานที่เกี่ยวข้องกับความปลอดภัยของผลิตภัณฑ์

หมายเหตุ : พาร์ทที่ใส่จะระบุทิศทางในการประกอบบนบอร์ด

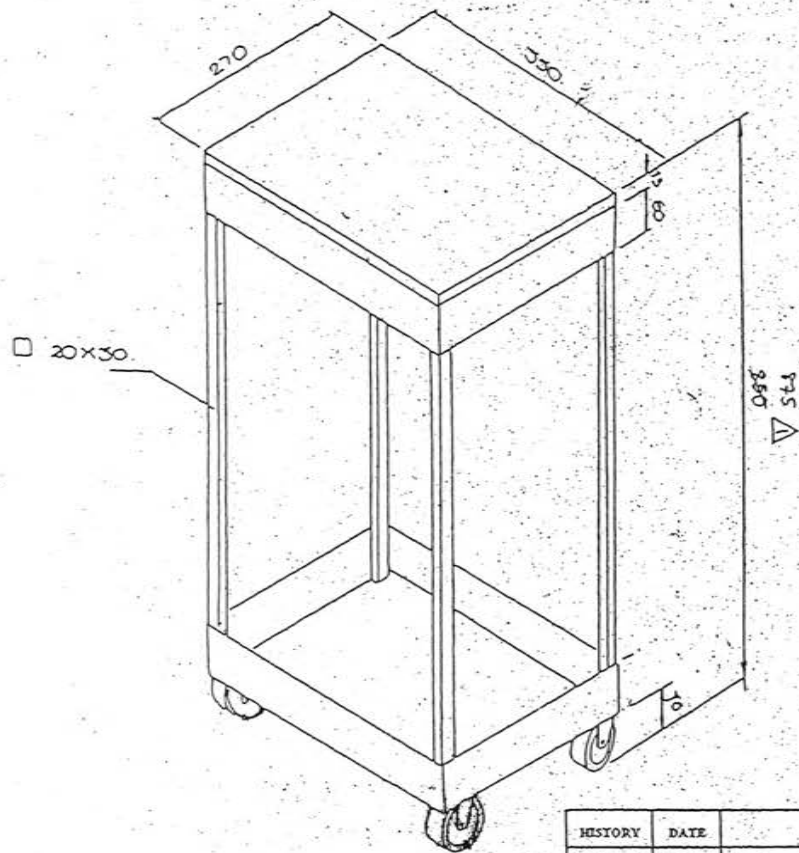
P : พาร์ทที่ต้องทำการ Prework

⚠ : ระวังจุดที่เปลี่ยนเปลี่ยนวัสดุ

Appendix 4.3 : Drawing of Hand Mount Workstation



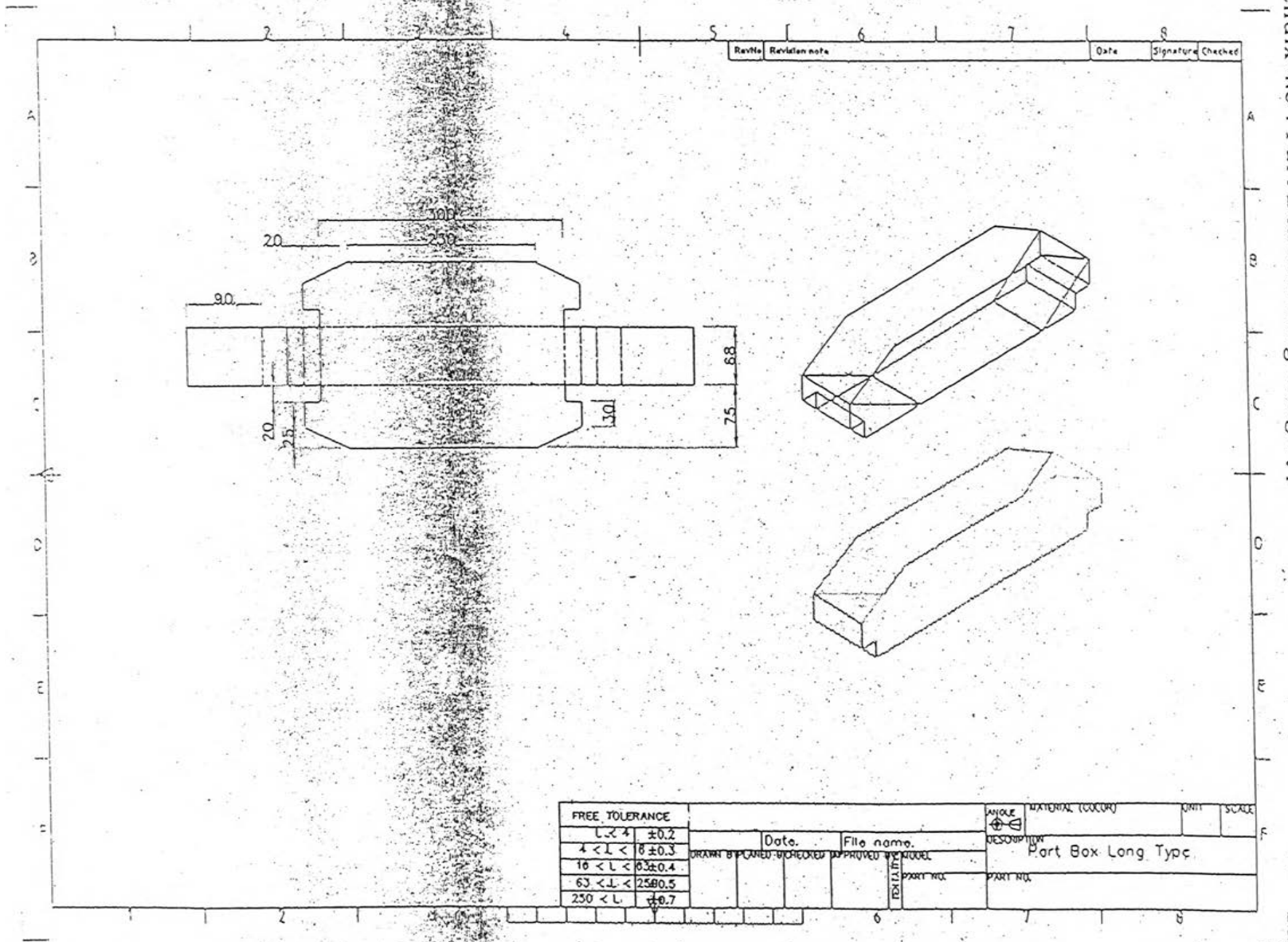
DRAWING NO. H001



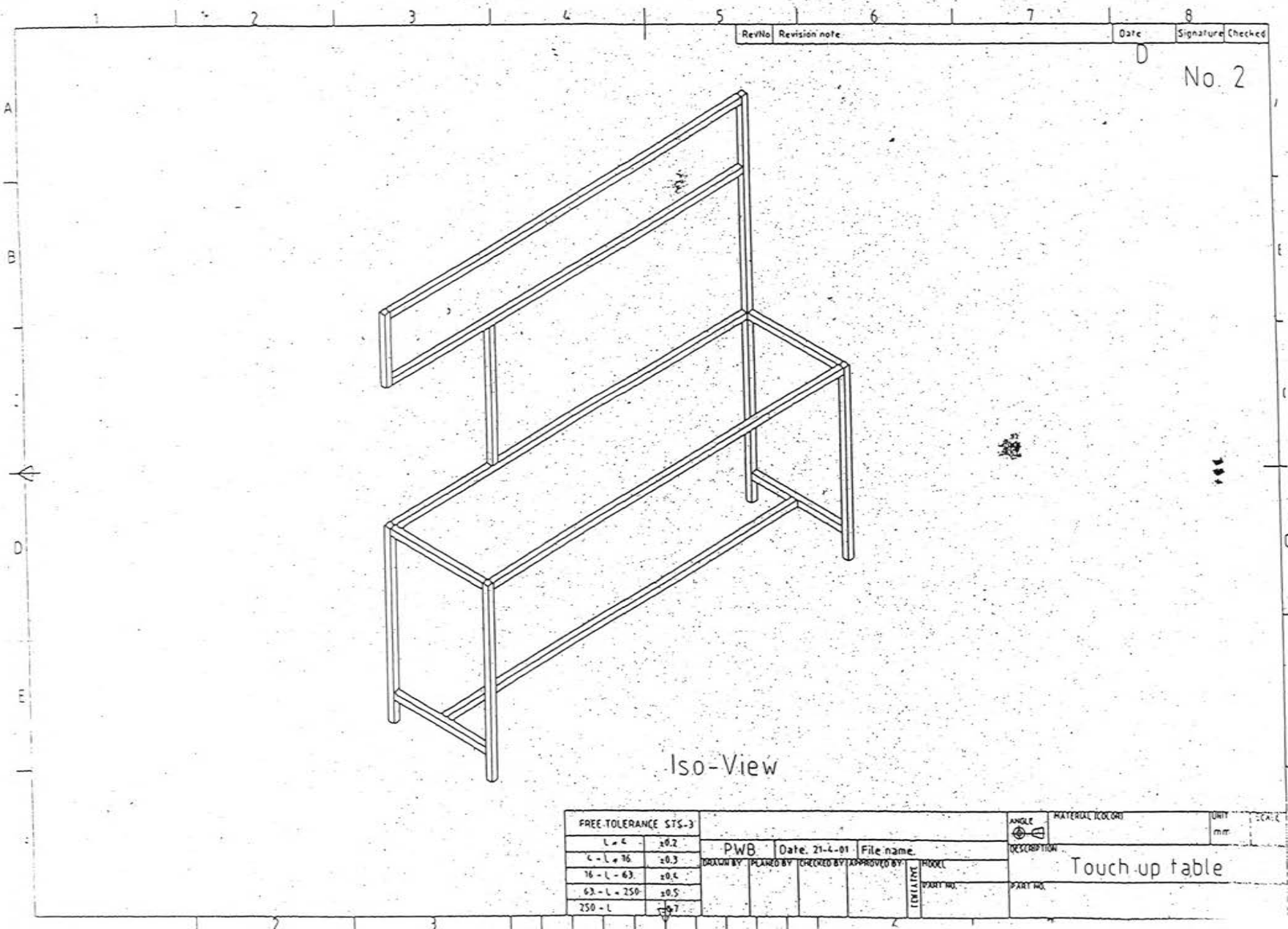
HISTORY	DATE	REVISION	SIGN	UNIT	MATERIAL
△	01/12/09	increase height	J. Mananot S.	mm.	Wood
△				DRAWING NAME	
△				PWB Handling Cart	
△				DRAWING BY	APPROVED BY
△				IE CTV	
△					
△					

Appendix 4.4 : Cart/Board Carrier Drawing

Appendix 4.5 : Part Box Drawing Long Type

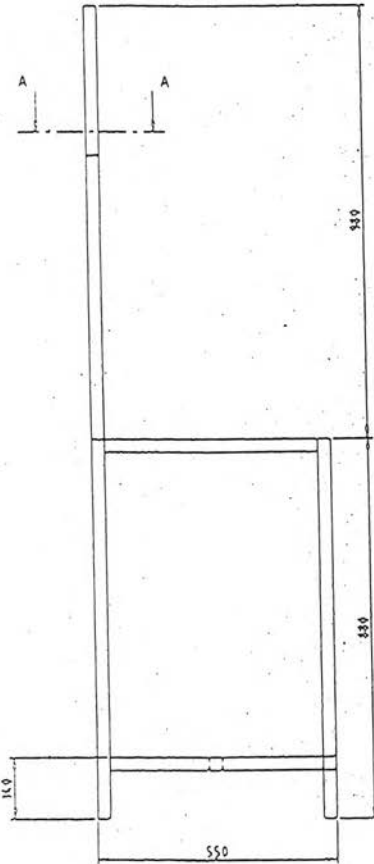


Appendix 4.6 : Drawing of Touch Up Workstation

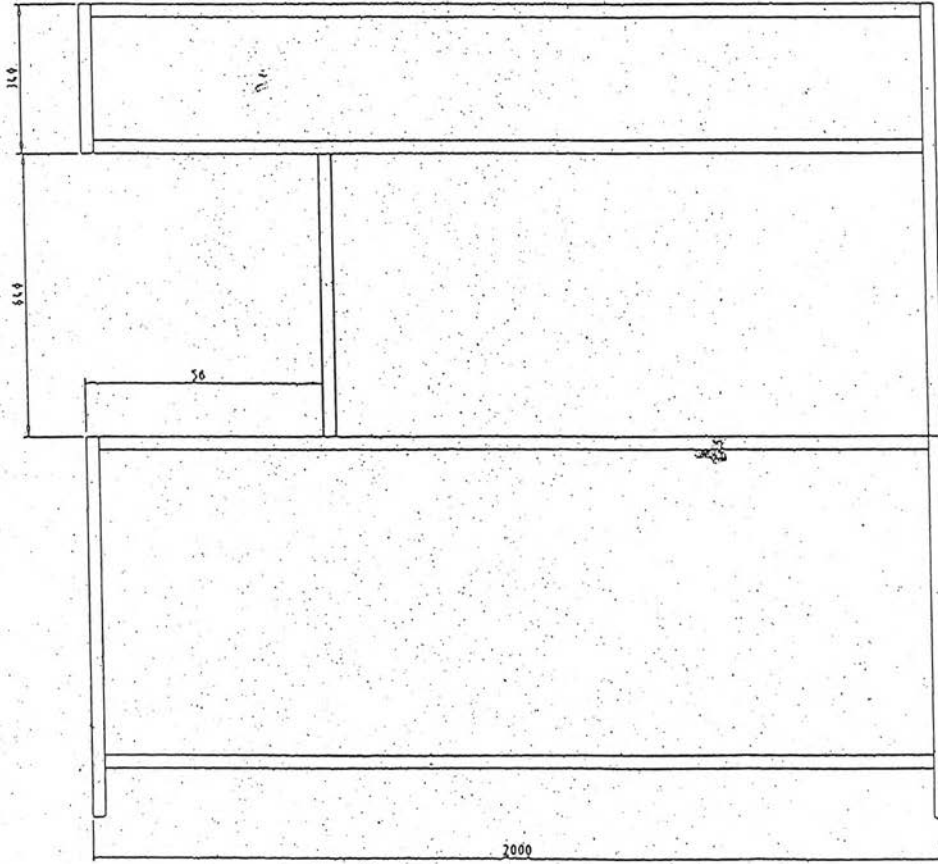


RevNo	Revision note	Date	Signature	Checked
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No. 2



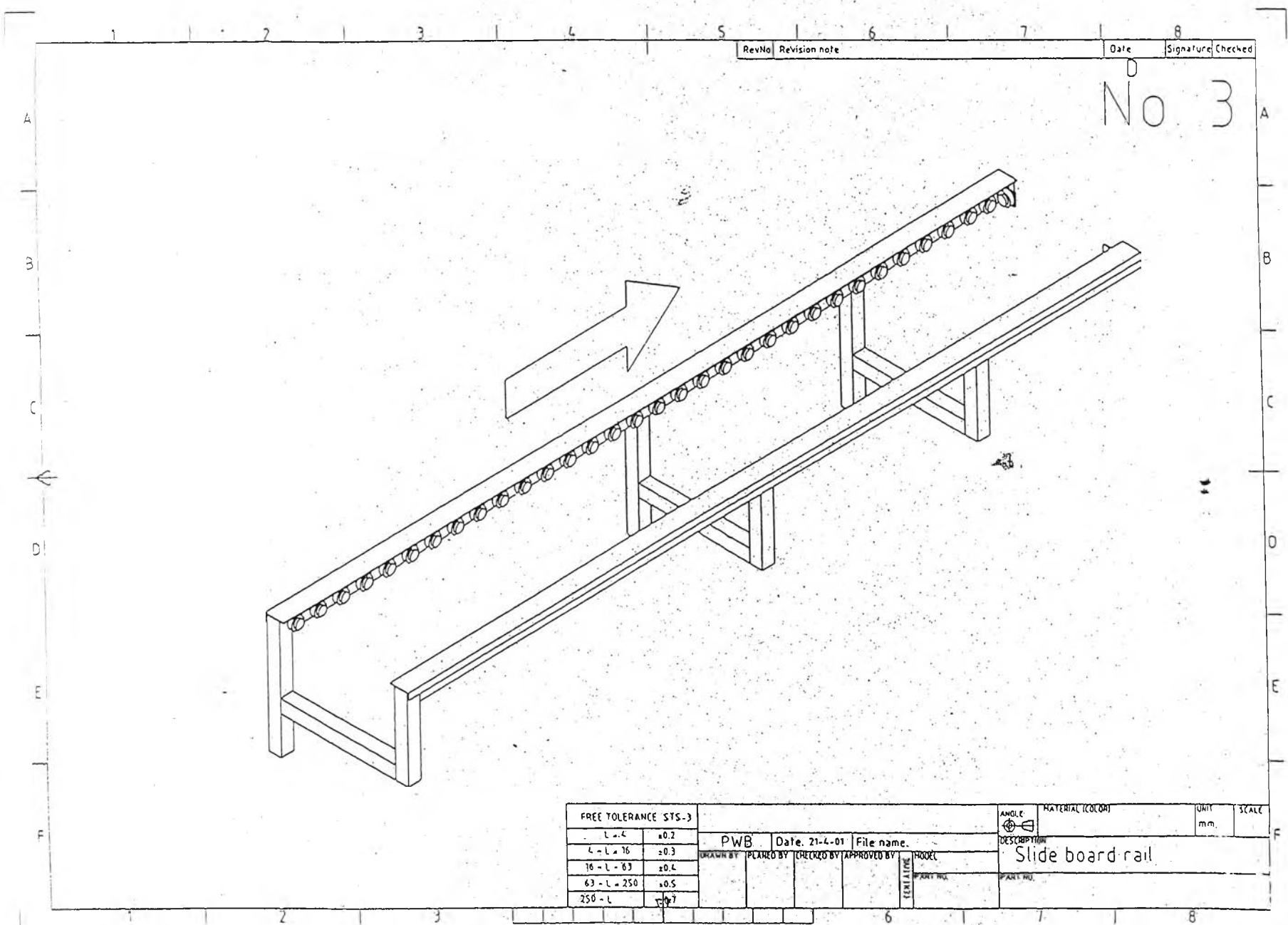
Side View



Front View



FREE TOLERANCE SYS-3		P.W.B		Date: 21-4-01	File name:	ANGLE	MATERIAL (COLOR)	UNIT	SCALE
L = 4	±0.2	DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	MOCK		mm	
4 - L = 16	±0.3								
16 - L = 63	±0.4								
63 - L = 250	±0.5								
250 - L	±0.7								
						DESCRIPTION			
						Touch up table			
						PART NO.		PART NO.	



RevNo | Revision note | Date | Signature | Checked

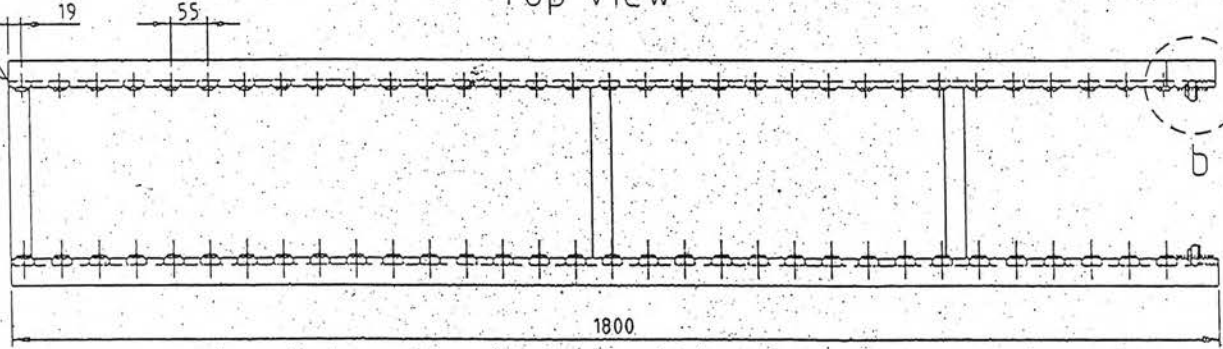
No 3

FREE TOLERANCE STS-3		PWB		Date: 21-4-01	File name:	ANGLE	MATERIAL (COLOR)	UNIT	SCALE
L = 4	±0.2	DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	PROJEC	DESCRIPTION	mm	
4 - L = 16	±0.3						Slide board rail		
16 - L = 63	±0.4								
63 - L = 250	±0.5								
250 - L	±0.7								

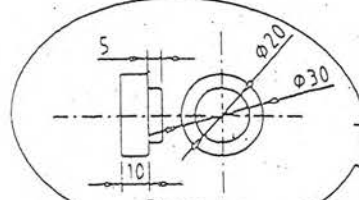
RevNo Revision note Date Signature Checked

No 3

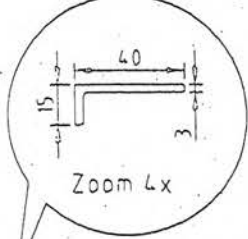
Top View



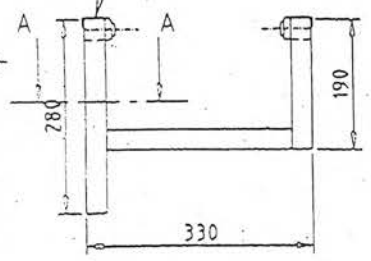
Zoom 4x



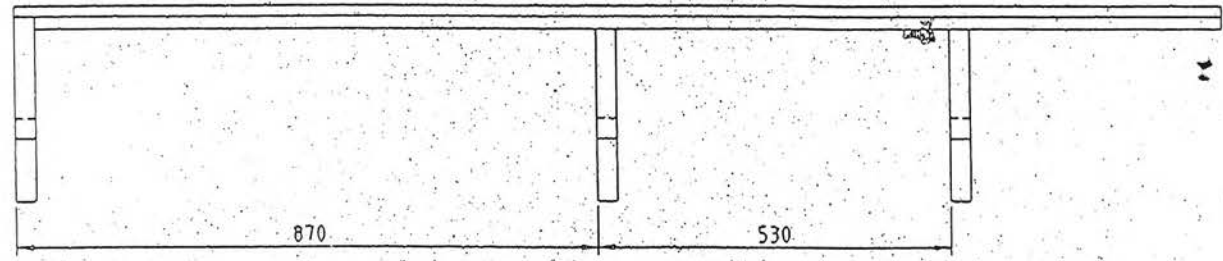
Zoom 4x



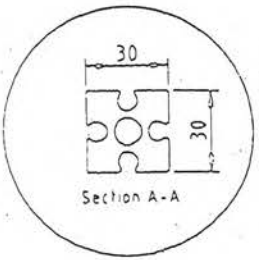
Side View



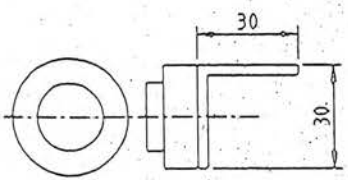
Front View



Section A-A



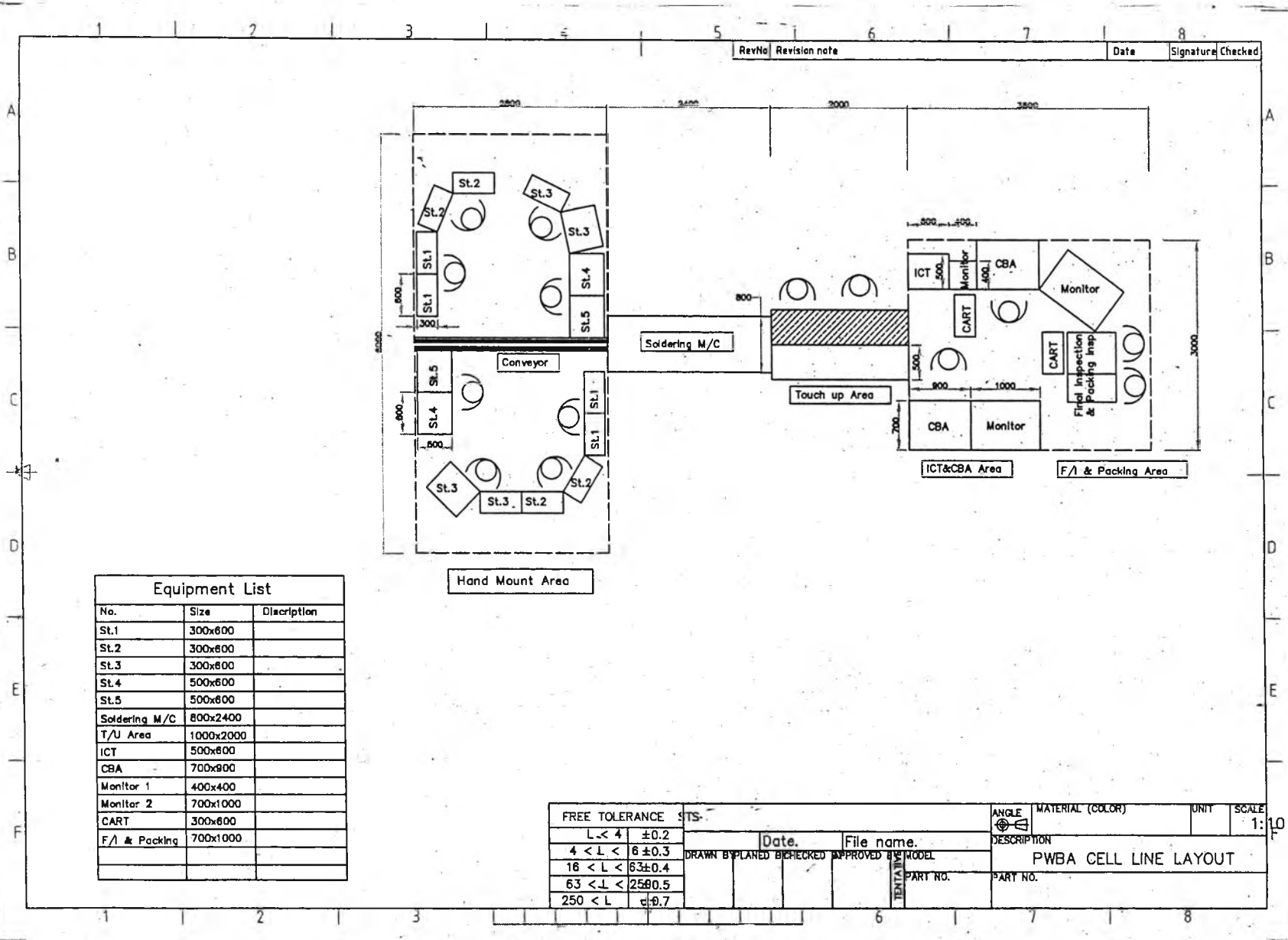
b zoom 5x



FREE TOLERANCE STS-3		
L = 4	±0.2	
4 - L = 16	±0.3	
16 - L = 63	±0.4	
63 - L = 250	±0.5	
250 - L	±0.7	

PWB		Date: 21-4-01	File name:	ANGLE	MATERIAL (COLOR)	UNIT	SCALE
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	DESCRIPTION		mm.	
				Slide board rail			
TEXT LINE	PART NO.	PART NO.					

Appendix 4.8 : Drawing of PWBA Cell Line



Equipment List		
No.	Size	Description
St.1	300x600	
St.2	300x600	
St.3	300x600	
St.4	500x600	
St.5	500x600	
Soldering M/C	800x2400	
T/U Area	1000x2000	
ICT	500x600	
CBA	700x900	
Monitor 1	400x400	
Monitor 2	700x1000	
CART	300x600	
F/I & Packing	700x1000	

FREE TOLERANCE	±0.2	DATE	FILE NAME	ANGLE	MATERIAL (COLOR)	UNIT	SCALE
L < 4	±0.2						1:1
4 < L < 6	±0.3	DRAWN BY	CHECKED BY	DESCRIPTION			
6 < L < 16	±0.4			PWBA CELL LINE LAYOUT			
16 < L < 63	±0.5	APPROVED BY	MODEL	PART NO.			
63 < L < 250	±0.5			PART NO.			
250 < L	±0.7			PART NO.			

Performance Measurement System (SS-0013)

Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01 Time : 15:50:27

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	ttend %	Facility down	Total Avail Hr	Invalld Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
31-Dec-00																										
03-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.88	121.6	95.4%	0	121.6	15	0	106.6	83.6%	71.28	66.9%	58.6%	55.9%	
04-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.2	122.3	95.9%	0	122.	0	0	122.3	95.9%	80.74	66.0%	66.0%	63.3%	
05-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.8	121.7	95.5%	0	121.	0	0	121.7	95.5%	87.56	71.9%	71.9%	68.7%	
06-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.3	122.2	95.8%	0	122.	0	0	122.2	95.8%	90.64	74.2%	74.2%	71.1%	
Sub Total:				510.	0	0	0	510.	0	100.0	0	510.	22.	487.	95.7	0	487.	1	0	472.	92.7	330.	69.8	67.7	64.7	
				14.8				14.2	#Num				#Num!	14.2				14.2				14.1				11.7
07-Jan-01																										
08-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.3	122.2	95.8%	0	122.	0	0	122.2	95.8%	91.96	75.3%	75.3%	72.1%	
09-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.7	121.8	95.5%	0	121.	8.21	0	113.5	89.1%	93.06	81.9%	76.4%	73.0%	
10-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.8	121.7	95.5%	0	121.	5.36	0	116.3	91.2%	94.38	81.1%	77.6%	74.0%	
11-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	7.3	120.2	94.3%	0	120.	2.68	0	117.5	92.2%	95.70	81.4%	79.6%	75.1%	
12-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	6.8	120.7	94.7%	0	120.	2.22	0	118.4	92.9%	98.78	83.4%	81.8%	77.5%	
13-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	6.4	121.1	95.0%	0	121.	0	0	121.1	95.0%	98.56	81.4%	81.4%	77.3%	
Sub Total:				765.	0	0	0	765.	0	100.0	0	765.	37.	727.	95.1	0	727.	18.4	0	709.	92.7	572.	80.7	78.7	74.8	
				22.2				21.3	#Num				#Num!	21.3				21.2				21.1				20.3
14-Jan-01																										
15-Jan-01	0	15	8.5	127.5	0	0	63.8	63.8	0	100.0%	0	63.8	2.1	61.65	96.7%	0	61.65	11.26	0	50.39	79.0%	45.76	90.8%	74.2%	71.8%	
16-Jan-01	0	15	8.5	127.5	0	0	63.8	63.8	0	100.0%	0	63.8	2.9	60.85	95.5%	0	60.85	0	0	60.85	95.5%	47.52	78.1%	78.1%	74.5%	
17-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.5	122	95.7%	0	122	0	0	122	95.7%	106.0	86.9%	86.9%	83.2%	
18-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.3	122.2	95.8%	0	122.	5.9	0	116.3	91.2%	109.3	94.0%	89.5%	85.8%	
19-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.4	122.1	95.8%	0	122.	0	0	122.1	95.8%	111.1	91.0%	91.0%	87.1%	
20-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.7	121.8	95.5%	0	121.	0	0	121.8	95.5%	111.1	91.2%	91.2%	87.1%	
Sub Total:				765.	0	0	12	637.	0	100.0	0	637.	26.	610.	95.8	0	610.	17.1	0	593.	93.1	530.	89.5	86.9	83.3	
				22.2				17.8	#Num				#Num!	17.8				17.8				17.6				18.8
21-Jan-01																										
21-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.3	122.2	95.8%	0	122.	0	0	122.2	95.8%	112.8	92.4%	92.4%	88.5%	
22-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	4.1	123.4	96.8%	0	123.	0	0	123.4	96.8%	113.7	92.2%	92.2%	89.2%	

Appendix 5.1 : PWBA Work Hours of Productivity Data

Workhour Report AE-5_E1 (PWB

Print Date : 23-Apr-01 Time : 15:50:28

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	ttend %	Facility down	Total Avail Hr	Invalld Hr	Valld Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO
23-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5.9	121.6	95.4%	0	121.	0	0	121.6	95.4%	116.3	95.7%	95.7%	91.3%
24-Jan-01	0	15	8.5	127.5	60	0	0	187.	0	100.0%	0	187.	7.3	180.2	96.1%	0	180.	0	0	180.2	96.1%	157.9	87.7%	87.7%	84.2%
25-Jan-01	0	15	8.5	127.5	60	0	0	187.	0	100.0%	0	187.	7.8	179.7	95.8%	0	179.	0	0	179.7	95.8%	171.8	95.6%	95.6%	91.6%
26-Jan-01	0	15	8.5	127.5	30	0	0	157.	0	100.0%	0	157.	7.1	150.4	95.5%	0	150.	0	0	150.4	95.5%	133.3	88.6%	88.6%	84.6%
27-Jan-01	0	15	8.5	127.5	30	0	0	157.	0	100.0%	0	157.	7.3	150.2	95.4%	0	150.	0	0	150.2	95.4%	137.2	91.4%	91.4%	87.2%
Sub Total:				892.	18	0	0	1,072.	0	100.0	0	1,072.	44	1,027.	95.8	0	1,027.	0	0	1,027.	95.8	943.	91.8	91.8	88.0
				25.9				29.9	#Num		#Num!	29.9					30.0			30.5		33.4			
28-Jan-01																									
28-Jan-01	0	15	8.5	127.5	0	0	0	127.	0	100.0%	0	127.	5	122.5	96.1%	0	122.	0	0	122.5	96.1%	111.7	91.2%	91.2%	87.7%
29-Jan-01	0	15	8.5	127.5	30	0	0	157.	0	100.0%	0	157.	7.2	150.3	95.4%	0	150.	1.88	0	148.4	94.2%	113.9	76.8%	75.8%	72.4%
30-Jan-01	0	15	8.5	127.5	30	0	0	157.	0	100.0%	0	157.	6.8	150.7	95.7%	0	150.	0	0	150.7	95.7%	111.3	73.9%	73.9%	70.7%
31-Jan-01	0	15	8.5	127.5	30	0	0	157.	0	100.0%	0	157.	6.3	151.2	96.0%	0	151.	11.5	0	139.7	88.7%	107.8	77.2%	71.3%	68.4%
Sub Total:				510.	9	0	0	600.	0	100.0	0	600.	25.	574.	95.8	0	574.	13.3	0	561.	93.6	444.	79.2	77.4	74.1
				14.8				16.7	#Num		#Num!	16.7					16.8			16.7		15.8			
Grand TTL:				3,442.	27	0	12	3,585.	0	100.0	0	3,585.	156.	3,428.	95.6	0	3,428.	64.0	0	3,364.	93.8	2,821.	83.9	82.3	78.7

Performance Measurement System (SS-00138)

Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01 Time : 13:02:06

Date	InDir. Prod	Dir. Prod	W.Hr/Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
28-Jan-01																										
01-Feb-01	2	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	1.32	40.93	96.9%	0	40.93	1.4	0	39.53	93.6%	29.04	73.5%	70.9%	68.7%	
02-Feb-01	3	4.5	8.5	38.3	9	0	0	47.3	0	100.0%	0	47.3	0.86	46.39	98.2%	0	46.39	1.4	0	44.99	95.2%	36.89	82.0%	79.5%	78.1%	
Sub Total:				76.5	13	0	0	89.5	0	100.0%	0	89.5	2.2	87.3	97.6%	0	87.3	2.8	0	84.5	94.4%	65.9	78.0%	75.5%	73.7%	
				11.0%				12.0%	0.0%		#Num!	12.2%					12.7%			12.4%		11.5%				
04-Feb-01																										
05-Feb-01	3	4.5	8.5	38.3	9	0	0	47.3	0	100.0%	0	47.3	1.48	45.77	96.9%	0	45.77	1.25	0	44.52	94.2%	38.08	85.5%	83.2%	80.6%	
06-Feb-01	3	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	4.43	37.82	89.5%	0	37.82	0	0	37.82	89.5%	34.75	91.9%	91.9%	82.2%	
07-Feb-01	2.5	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	3.43	38.82	91.9%	0	38.82	0	0	38.82	91.9%	32.84	84.6%	84.6%	77.7%	
Sub Total:				114.8	17	0	0	131.8	0	100.0%	0	131.8	9.3	122.4	92.9%	0	122.4	1.25	0	121.2	92.0%	105.7	87.2%	86.3%	80.2%	
				16.6%				17.7%	0.0%		#Num!	17.9%					17.8%			17.8%		18.5%				
11-Feb-01																										
12-Feb-01	2.5	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	3.09	39.16	92.7%	0	39.16	0	0	39.16	92.7%	31.42	80.2%	80.2%	74.4%	
13-Feb-01	2.5	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	3.27	38.98	92.3%	0	38.98	0	0	38.98	92.3%	32.84	84.3%	84.3%	77.7%	
14-Feb-01	2.5	4.5	8.5	38.3	0	0	9	29.3	0	100.0%	0	29.3	2.29	26.96	92.2%	0	26.96	0.8	0	26.16	89.4%	20.94	80.1%	77.7%	71.6%	
15-Feb-01	2.5	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	3.48	38.77	91.8%	0	38.77	0	0	38.77	91.8%	34.75	89.6%	89.6%	82.2%	
16-Feb-01	2.5	4.5	8.5	38.3	4	0	0	42.3	0	100.0%	0	42.3	3.27	38.98	92.3%	0	38.98	0	0	38.98	92.3%	33.80	86.7%	86.7%	80.0%	
Sub Total:				191.3	16	0	9	198.3	0	100.0%	0	198.3	15.4	182.9	92.2%	0	182.9	0.8	0	182.1	91.8%	153.7	84.5%	84.1%	77.6%	
				27.6%				26.7%	0.0%		#Num!	27.0%					26.6%			26.7%		26.9%				
18-Feb-01																										
18-Feb-01	2	2.5	8.5	21.3	5	0	0	26.3	0	100.0%	0	26.3	0.61	25.64	97.7%	0	25.64	0	0	25.64	97.7%	18.09	70.5%	70.5%	68.9%	
19-Feb-01	2.5	4.5	8.5	38.3	5	0	0	43.3	0	100.0%	0	43.3	2.27	40.98	94.8%	0	40.98	0	0	40.98	94.8%	32.84	80.1%	80.1%	75.9%	
20-Feb-01	3	4.5	8.5	38.3	2.5	0	0	40.8	8.5	79.1%	0	32.3	0.96	31.29	97.0%	0	31.29	1.4	0	29.89	73.3%	34.27	114.7%	109.5%	106.3%	
21-Feb-01	2.5	4.5	8.5	38.3	5	0	0	43.3	0	100.0%	0	43.3	1.69	41.56	96.1%	0	41.56	0	0	41.56	96.1%	36.18	87.0%	87.0%	83.6%	
22-Feb-01	2.5	4.5	8.5	38.3	5	0	0	43.3	0	100.0%	0	43.3	1.69	41.56	96.1%	0	41.56	0	0	41.56	96.1%	38.08	91.6%	91.6%	88.0%	
23-Feb-01	0.5	2	8.5	17.0	0	0	0	17.0	0	100.0%	0	17.0	5.66	11.34	66.7%	0	11.34	0	0	11.34	66.7%	10.23	90.2%	90.2%	60.2%	
Sub Total:				191.3	22.5	0	0	213.8	8.5	96.0%	0	205.3	12.9	192.4	93.7%	0	192.4	1.4	0	191.0	89.3%	169.7	88.9%	88.2%	82.7%	
				27.6%				28.8%	00.0%		#Num!	28.0%					27.9%			28.0%		29.6%				

Workhour Report AE-5_E1 (PWB)

Print Date : 23-Apr-01 Time : 13:02:06

Date	InDir. Prod	Dir. Prod	W.Hr/ Day	Regu. Hr	OT	Brrw	Loan	Total Hr	Abst.	Attend %	Facility down	Total Avail Hr	Invalid Hr	Valid Hr	%	Rework A. QA	Prod Hr	Line Stop	Rework B. QA	Actual Oper Hr	Effective Hr (%)	Total SST	OE	OP	TO	
<u>25-Feb-01</u>																										
26-Feb-01	1.5	4.5	8.5	38.3	5	0	0	43.3	0	100.0%	0	43.3	2.17	41.08	95.0%	0	41.08	0	0	41.08	95.0%	33.08	80.5%	80.5%	76.5%	
27-Feb-01	1.5	4.5	8.5	38.3	7	0	12.5	32.8	0	100.0%	0	32.8	1.27	31.48	96.1%	0	31.48	0	0	31.48	96.1%	20.94	66.5%	66.5%	64.0%	
28-Feb-01	2.5	5	8.5	42.5	6	0	15	33.5	0	100.0%	0	33.5	2.59	30.91	92.3%	0	30.91	0	0	30.91	92.3%	23.32	75.5%	75.5%	69.6%	
Sub Total:				119.0	18	0	27.5	109.5	0	100.0%	0	109.5	6.0	103.5	94.5%	0	103.5	0	0	103.5	94.5%	77.3	74.8%	74.8%	70.6%	
				17.2%				14.7%	0.0%		#Num!	14.9%					15.0%			15.2%		13.5%				
Grand TTL:				692.8	86.5	0	36.5	742.8	8.5	98.9%	0	734.3	45.8	688.4	93.8%	0	688.4	6.25	0	682.2	91.8%	572.4	83.9%	83.1%	78.0%	

Performance Measurement System (SS-00138)

Line_Stop_F (PWB)

Print Date : 28-Mar-01 Time : 16:43:55

Date	TTL_hr	AI	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
28-May-00									
01-Jun-00	229.5	0	0	0	0	0	0	0	0
02-Jun-00	229.5	0	229.5	0	0	0	0	229.5	0
Sub Total:	459.0	0	229.5	0	0	0	0	229.5	0
	4.2%								
04-Jun-00									
05-Jun-00	283.5	0	0	0	0	0	0	0	0
06-Jun-00	337.5	0	0	0	0	0	0	0	0
07-Jun-00	337.5	0	0	0	0	0	0	0	0
08-Jun-00	337.5	0	0	0	0	0	0	0	0
09-Jun-00	337.5	0	0	0	0	0	0	0	0
10-Jun-00	283.5	0	0	0	0	0	0	0	0
Sub Total:	1,917.0	0	0	0	0	0	0	0	0
	17.5%								
11-Jun-00									
12-Jun-00	598.5	0	0	0	0	0	0	0	0
13-Jun-00	598.5	0	0	0	0	0	0	0	0
14-Jun-00	577.5	0	20	4.67	0	0	0	24.67	0
15-Jun-00	601	0	10	0	0	45.5	0	55.5	0
16-Jun-00	575.5	0	81	0	0	0	0	81	0
Sub Total:	2,951.0	0	111	4.67	0	45.5	0	161.17	0
	26.9%								
18-Jun-00									
19-Jun-00	575.5	0	0	0	0	0	0	0	0
20-Jun-00	575.5	0	0	11	0	20	0	31	0
21-Jun-00	575.5	10	0	30.6	0	5.4	0	46	0
22-Jun-00	546	0	0	10.6	0	5.6	0	16.2	0
23-Jun-00	536	0	0	22.7	0	0	0	22.7	0

Appendix 5.2 : PWBA Idle Time of Productivity Data

Line_Stop_F (PWB)

Print Date : 28-Mar-01 Time : 16:43:56

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
24-Jun-00	35.5	0	0	0	0	0	0	0	0
Sub Total:	2,844.0 26.0%	10	0	74.9	0	31	0	115.9	0
25-Jun-00									
26-Jun-00	534	1.55	0	20	0	0	0	21.55	0
27-Jun-00	550.5	0	0	0	0	0	0	0	0
28-Jun-00	576	16	0	0	0	16	0	32	0
29-Jun-00	567.5	24	0	0	0	0	0	24	0
30-Jun-00	557	0	0	4.26	0	0	0	4.26	0
Sub Total:	2,785.0 25.4%	41.55	0	24.26	0	16	0	81.81	0
Grand Total:	10,956.0	51.55	340.5	103.83	0	92.5	0	588.38	0

Performance Measurement System (SS-00138)

Line_Stop_F (PWB)

Print Date : 01-Feb-01 Time : 13:45:41

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
25-Jun-00									
01-Jul-00	260	0	0	0.75	0	0	0	0.75	0
Sub Total:	260.0	0	0	0.75	0	0	0	0.75	0
	2.2%								
02-Jul-00									
03-Jul-00	565.5	0	0	4	0	0	0	4	2.6
04-Jul-00	607.5	0	0	2.6	0	6.6	0	9.2	0
05-Jul-00	586.5	0	0	12.5	0	0	0	12.5	0
06-Jul-00	618	0	0	0	0	8.16	0	8.16	0
07-Jul-00	626.5	0	0	0	0	94.58	0	94.58	0
08-Jul-00	105	0	0	0	0	0	0	0	0
Sub Total:	3,109.0	0	0	19.1	0	109.34	0	128.44	2.6
	26.5%								
09-Jul-00									
10-Jul-00	640.5	0	0	0	0	0	0	0	0
11-Jul-00	615	0	0	7.9	0	0	0	7.9	2.6
12-Jul-00	649	0	0	0	0	0	0	0	0
13-Jul-00	649	0	0	8.6	0	12	5.33	25.93	0
14-Jul-00	666	0	0	3	0	0	0	3	0
15-Jul-00	136.5	0	0	0	0	0	0	0	0
Sub Total:	3,356.0	0	0	19.5	0	12	5.33	36.83	2.6
	28.6%								
16-Jul-00									
18-Jul-00	655.5	0	0	4.5	0	12	0	16.5	0
19-Jul-00	509	0	69	14.5	0	0	0	83.5	0
20-Jul-00	517.5	0	244	0	0	0	0	244	0
21-Jul-00	630	0	264	0	0	8	0	272	0
22-Jul-00	570	0	0	0	0	0	0	0	0

Line_Stop_F (PWB)

Print Date : 01-Feb-01 Time : 13:45:41

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
Sub Total:	2,882.0 24.6%	0	577	19	0	20	0	616	0
23-Jul-00									
24-Jul-00	660.5	0	0	14.5	0	10	0	24.5	0
25-Jul-00	334	0	0	0	0	0	0	0	0
26-Jul-00	246.5	0	129.6	0	0	0	0	129.6	0
27-Jul-00	272	0	142.58	0	0	0	0	142.58	0
28-Jul-00	304.5	0	130.5	0	0	0	0	130.5	0
29-Jul-00	304.5	0	0	0	0	0	0	0	0
Sub Total:	2,122.0 18.1%	0	402.68	14.5	0	10	0	427.18	0
Grand Total:	11,729.0	0	979.68	72.85	0	151.34	5.33	1209.2	5.2

Performance Measurement System (SS-00138)

Line_Stop_F (PWB)

Print Date : 01-Feb-01 Time : 13:45:12

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
30-Jul-00									
01-Aug-00	593.5	0	0	1.16	0	29	0	30.16	0
02-Aug-00	527.5	0	0	60	0	0	0	60	0
03-Aug-00	526	0	0	50.85	0	23	0	73.85	0
04-Aug-00	493.5	0	0	0	0	0	0	0	0
05-Aug-00	184	0	13.41	15.75	0	13.41	0	42.57	0
Sub Total:	2,324.5	0	13.41	127.76	0	65.41	0	206.58	0
	20.5%								
06-Aug-00									
07-Aug-00	485.5	0	0	5	0	0	0	5	0
08-Aug-00	454	0	0	4.17	0	0	0	4.17	0
09-Aug-00	457.5	0	0	91.5	0	24	0	115.5	0
10-Aug-00	570.5	0	0	34	0	0	0	34	0
11-Aug-00	638.5	0	0	0	0	17.25	0	17.25	5.75
Sub Total:	2,606.0	0	0	134.67	0	41.25	0	175.92	5.75
	23.0%								
13-Aug-00									
13-Aug-00	266	0	0	0	0	0	0	0	0
14-Aug-00	456	0	0	0	0	0	0	0	0
15-Aug-00	472	0	0	0	0	15.33	0	15.33	0
16-Aug-00	454	0	67.5	0	0	0	0	67.5	0
17-Aug-00	462.5	0	0	0	0	0	0	0	0
18-Aug-00	395.5	0	0	0	0	0	0	0	0
19-Aug-00	184	0	0	0	0	17.25	0	17.25	0
Sub Total:	2,690.0	0	67.5	0	0	32.58	0	100.08	0
	23.8%								
20-Aug-00									
20-Aug-00	248	0	0	5	0	0	0	5	0

Line_Stop_F (PWB)

Print Date : 01-Feb-01 Time : 13:45:12

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
21-Aug-00	401	0	262	15.75	0	0	0	277.75	0
22-Aug-00	250	0	241.5	0	0	0	0	241.5	0
23-Aug-00	495.75	0	0	5.494	0	0	0	5.494	0
24-Aug-00	450.75	0	0	0	0	39.83	0	39.83	0
Sub Total:	1,845.5 16.3%	0	503.5	26.244	0	39.83	0	569.574	0
27-Aug-00									
28-Aug-00	444.25	0	330.75	0	0	0	0	330.75	0
29-Aug-00	444.5	0	0	0	0	0	0	0	0
30-Aug-00	525.5	0	8.66	0	0	2.16	0	10.82	0
31-Aug-00	440	0	171.5	0	0	0	0	171.5	0
Sub Total:	1,854.3 16.4%	0	510.91	0	0	2.16	0	513.07	0
Grand Total:	11,320.3	0	1095.32	288.674	0	181.23	0	1565.224	5.75

Performance Measurement System (SS-00138)

Line_Stop_F (PWB)

Print Date : 01-Feb-01 Time : 13:44:48

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
03-Sep-00									
04-Sep-00	455	0	27.4	4	0	0	0	31.4	0
05-Sep-00	509	0	0	8.49	0	0	0	8.49	0
06-Sep-00	423	0	267.75	0	0	0	0	267.75	0
07-Sep-00	421	0	126.9	0	0	0	0	126.9	0
08-Sep-00	489.5	0	0	0	0	2.5	0	2.5	0
09-Sep-00	231	0	0	0	0	0	0	0	0
Sub Total:	2,528.5 26.8%	0	422.05	12.49	0	2.5	0	437.04	0
10-Sep-00									
11-Sep-00	442.5	0	0	0	0	9.33	0	9.33	0
12-Sep-00	489.5	0	0	0	0	0	0	0	0
13-Sep-00	464	0	0	0	0	0	0	0	0
14-Sep-00	493.5	0	0	1.75	0	0	0	1.75	0
15-Sep-00	482	0	0	0	0	0	0	0	0
Sub Total:	2,371.5 25.1%	0	0	1.75	0	9.33	0	11.08	0
17-Sep-00									
18-Sep-00	427.5	0	7.1	17.9	0	0	0	25	0
19-Sep-00	462	0	0	37.76	0	0	0	37.76	0
20-Sep-00	470.5	0	0	0	0	0	0	0	0
21-Sep-00	545	0	0	0	0	0	0	0	0
22-Sep-00	504	0	0	0	0	12.5	0	12.5	0
23-Sep-00	215	0	0	0	0	0	0	0	0
Sub Total:	2,624.0 27.8%	0	7.1	55.66	0	12.5	0	75.26	0
24-Sep-00									
25-Sep-00	364.5	0	0	0	0	0	0	0	0

Line_Stop_F (PWB)

Print Date : 01-Feb-01 Time : 13:44:48

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
26-Sep-00	385	0	0	0	0	0	0	0	0
27-Sep-00	410.5	0	0	10.43	0	0	0	10.43	0
28-Sep-00	393.5	0	0	7.16	0	10	0	17.16	0
29-Sep-00	366	0	0	0	0	0	0	0	0
Sub Total:	1,919.5 20.3%	0	0	17.59	0	10	0	27.59	0
Grand Total:	9,443.5	0	429.15	87.49	0	34.33	0	550.97	0

Performance Measurement System (SS-00138)

Line_Stop_AE-5_E1 (PWB)

Print Date: 01-Feb-01 Time: 13:44:20

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
01-Oct-00									
02-Oct-00	296.75	0	84	10	0	0	0	94	0
03-Oct-00	249	0	0	10	0	2	0	12	0
04-Oct-00	249	0	140	0	0	0	0	140	0
05-Oct-00	238	0	133	0	0	0	0	133	0
06-Oct-00	238	0	294	0	0	0	0	294	0
07-Oct-00	252	0	143.9	0	0	0	0	143.9	15.16
Sub Total:	1,522.8 24.1%	0	794.9	20	0	2	0	816.9	15.16
08-Oct-00									
09-Oct-00	379	0	0	0	0	0	0	0	0
10-Oct-00	439	0	0	0	0	2.83	0	2.83	0
11-Oct-00	379	0	0	35.8	0	0	0	35.8	0
12-Oct-00	328	0	0	4.66	0	0	0	4.66	0
13-Oct-00	274.25	0	0	0	0	4.66	0	4.66	0
Sub Total:	1,799.3 28.5%	0	0	40.46	0	7.49	0	47.95	0
15-Oct-00									
16-Oct-00	257.5	0	0	13.95	0	3	0	16.95	0
17-Oct-00	294	0	0	0	0	0	0	0	0
18-Oct-00	274.5	0	0	0	0	0	0	0	0
19-Oct-00	294	0	0	0	0	0	0	0	0
20-Oct-00	294	0	0	3	0	8.67	0	11.67	0
Sub Total:	1,414.0 22.4%	0	0	16.95	0	11.67	0	28.62	0
22-Oct-00									
24-Oct-00	274.5	0	0	0	0	0	0	0	0
25-Oct-00	266	0	0	1.66	0	2.33	0	3.99	0

Line_Stop_AE-5_E1 (PWB)

Print Date : 01-Feb-01

Time : 13:44:20

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
26-Oct-00	247	0	0	0	0	5	0	5	0
27-Oct-00	255.5	0	0	0	0	0	0	0	0
Sub Total:	1,043.0 16.5%	0	0	1.66	0	7.33	0	8.99	0
29-Oct-00									
30-Oct-00	272.5	0	0	0	0	11.83	0	11.83	0
31-Oct-00	255.5	4.33	142	0	0	0	0	146.33	0
Sub Total:	528.0 8.4%	4.33	142	0	0	11.83	0	158.16	0
Grand Total:	6,307.0	4.33	936.9	79.07	0	40.32	0	1060.62	15.16

Performance Measurement System (SS-00138)

Line_Stop_AE-5_E1 (PWB)

Print Date : 01-Feb-01

Time : 13:43:39

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
29-Oct-00									
01-Nov-00	210	0	0	0	0	0	0	0	0
02-Nov-00	212.5	0	20	3.33	0	4.5	0	27.83	0
03-Nov-00	190	0	0	0	0	0	0	0	0
Sub Total:	612.5	0	20	3.33	0	4.5	0	27.83	0
	15.2%								
05-Nov-00									
06-Nov-00	190	0	85	0	0	0	0	85	0
07-Nov-00	190	0	135	0	0	0	0	135	0
08-Nov-00	190	0	190	0	0	0	0	190	0
09-Nov-00	190	0	190	0	0	0	0	190	0
10-Nov-00	190	0	190	0	0	0	0	190	0
Sub Total:	950.0	0	790	0	0	0	0	790	0
	23.6%								
12-Nov-00									
13-Nov-00	228	0	0	0	0	0	0	0	0
14-Nov-00	232.5	0	0	0	0	5.88	0	5.88	0
15-Nov-00	270.5	0	0	0	0	0	0	0	0
16-Nov-00	314.5	0	0	0	0	0	0	0	0
17-Nov-00	318.5	0	0	0	0	2	0	2	0
Sub Total:	1,364.0	0	0	0	0	7.88	0	7.88	0
	33.9%								
19-Nov-00									
20-Nov-00	170	0	170	0	0	0	0	170	0
21-Nov-00	170	0	117	0	0	0	0	117	0
Sub Total:	340.0	0	287	0	0	0	0	287	0
	8.4%								

Line_Stop_AE-5_E1 (PWB)

Print Date : 01-Feb-01 Time : 13:43:39

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
26-Nov-00									
27-Nov-00	190	0	0	0	0	0	0	0	0
28-Nov-00	190	0	0	0	0	0	0	0	0
29-Nov-00	190	0	0	0	0	0	0	0	0
30-Nov-00	190	0	0	0	0	0	0	0	0
Sub Total:	760.0	0	0	0	0	0	0	0	0
	18.9%								
Grand Total:	4,026.5	0	1097	3.33	0	12.38	0	1112.71	0

Performance Measurement System (SS-00138)

Line_Stop_AE-5_E1 (PWB)

Print Date: 01-Feb-01 Time: 13:43:09

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
26-Nov-00									
01-Dec-00	137.5	0	0	0	0	0	0	0	0
Sub Total:	137.5 6.1%	0	0	0	0	0	0	0	0
03-Dec-00									
06-Dec-00	114	0	0	0	0	1	0	1	0
07-Dec-00	123.5	0	0	10	0	0	0	10	0
08-Dec-00	123.5	0	0	10	0	0	0	10	0
09-Dec-00	34.5	0	0	0	0	0.33	0	0.33	0
Sub Total:	395.5 17.5%	0	0	20	0	1.33	0	21.33	0
10-Dec-00									
10-Dec-00	68.25	0	0	0	0	2	0	2	0
11-Dec-00	123.5	0	97.5	0	0	0	0	97.5	0
12-Dec-00	123.5	0	123.5	0	0	0	0	123.5	0
13-Dec-00	123.5	0	123.5	0	0	0	0	123.5	0
14-Dec-00	123.5	0	123.5	0	0	0	0	123.5	0
Sub Total:	562.3 24.9%	0	468	0	0	2	0	470	0
17-Dec-00									
18-Dec-00	115.5	0	0	103.33	0	0	0	103.33	0
19-Dec-00	136.5	0	0	0	0	0	0	0	0
20-Dec-00	136.5	0	0	5	0	0	0	5	0
21-Dec-00	136.5	0	0	0	0	0	0	0	0
22-Dec-00	136.5	0	0	0	0	0	0	0	0
Sub Total:	661.5 29.3%	0	0	108.33	0	0	0	108.33	0

Line_Stop_AE-5_E1 (PWB)

Print Date : 01-Feb-01

Time : 13:43:09

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
24-Dec-00									
24-Dec-00	68.25	0	0	0	0	0	0	0	0
25-Dec-00	136.5	0	0	0	0	0	0	0	0
26-Dec-00	136.5	0	0	0	0	0	0	0	0
27-Dec-00	136.5	0	0	0	0	0	0	0	0
28-Dec-00	22.5	0	0	0	0	0	0	0	0
Sub Total:	500.3	0	0	0	0	0	0	0	0
	22.2%								
Grand Total:	2,257.0	0	468	128.33	0	3.33	0	599.66	0

Performance Measurement System (SS-00138)

Line_Stop_AE-5_E1 (PWB)

Print Date: 23-Apr-01 Time: 16:05:20

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
31-Dec-00									
03-Jan-01	127.5	0	0	0	0	15	0	15	0
04-Jan-01	127.5	0	0	0	0	0	0	0	0
05-Jan-01	127.5	0	0	0	0	0	0	0	0
06-Jan-01	127.5	0	0	0	0	0	0	0	0
Sub Total:	510.1	0	0	0	0	15	0	15	0
	14.2%								
07-Jan-01									
08-Jan-01	127.5	0	0	0	0	0	0	0	0
09-Jan-01	127.5	0	0	0	0	8.21	0	8.21	0
10-Jan-01	127.5	0	0	5.36	0	0	0	5.36	0
11-Jan-01	127.5	0	0	2.68	0	0	0	2.68	0
12-Jan-01	127.5	0	0	2.22	0	0	0	2.22	0
13-Jan-01	127.5	0	0	0	0	0	0	0	0
Sub Total:	765.1	0	0	10.21	0	8.21	0	18.41	0
	21.3%								
14-Jan-01									
15-Jan-01	63.75	0	11.26	0	0	0	0	11.26	0
16-Jan-01	63.75	0	0	0	0	0	0	0	0
17-Jan-01	127.5	0	0	0	0	0	0	0	0
18-Jan-01	127.5	0	0	5.9	0	0	0	5.9	0
19-Jan-01	127.5	0	0	0	0	0	0	0	0
20-Jan-01	127.5	0	0	0	0	0	0	0	0
Sub Total:	637.1	0	11.26	5.9	0	0	0	17.16	0
	17.8%								
21-Jan-01									
21-Jan-01	127.5	0	0	0	0	0	0	0	0
22-Jan-01	127.5	0	0	0	0	0	0	0	0

Line_Stop_AE-5_E1 (PWB)

Print Date : 23-Apr-01 Time : 16:05:20

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
23-Jan-01	127.5	0	0	0	0	0	0	0	0
24-Jan-01	187.5	0	0	0	0	0	0	0	0
25-Jan-01	187.5	0	0	0	0	0	0	0	0
26-Jan-01	157.5	0	0	0	0	0	0	0	0
27-Jan-01	157.5	0	0	0	0	0	0	0	0
Sub Total:	1,072.5 29.9%	0	0	0	0	0	0	0	0
<u>28-Jan-01</u>									
28-Jan-01	127.5	0	0	0	0	0	0	0	0
29-Jan-01	157.5	0	0	1.88	0	0	0	1.88	0
30-Jan-01	157.5	0	0	0	0	0	0	0	0
31-Jan-01	157.5	0	0	11.5	0	0	0	11.5	0
Sub Total:	600.0 16.7%	0	0	13.38	0	0	0	13.38	0
Grand Total:	3,585.0	0	11.20	29.54	0	23.20	0	64.00	0

Performance Measurement System (SS-00138)

Line_Stop_AE-5_E1 (PWB)

Print Date : 26-Mar-01 Time : 15:31:37

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
<u>28-Jan-01</u>									
01-Feb-01	42.25	0	0	1.4	0	0	0	1.4	0
02-Feb-01	47.25	0	1	0.4	0	0	0	1.4	0
Sub Total:	89.5	0	1	1.8	0	0	0	2.8	0
	12.0%								
<u>04-Feb-01</u>									
05-Feb-01	47.25	0	1.25	0	0	0	0	1.25	0
06-Feb-01	42.25	0	0	0	0	0	0	0	0
07-Feb-01	42.25	0	0	0	0	0	0	0	0
Sub Total:	131.8	0	1.25	0	0	0	0	1.25	0
	17.7%								
<u>11-Feb-01</u>									
12-Feb-01	42.25	0	0	0	0	0	0	0	0
13-Feb-01	42.25	0	0	0	0	0	0	0	0
14-Feb-01	29.25	0	0	0.8	0	0	0	0.8	0
15-Feb-01	42.25	0	0	0	0	0	0	0	0
16-Feb-01	42.25	0	0	0	0	0	0	0	0
Sub Total:	198.3	0	0	0.8	0	0	0	0.8	0
	26.7%								
<u>18-Feb-01</u>									
18-Feb-01	26.25	0	0	0	0	0	0	0	0
19-Feb-01	43.25	0	0	0	0	0	0	0	0
20-Feb-01	40.75	0	0	1.4	0	0	0	1.4	0
21-Feb-01	43.25	0	0	0	0	0	0	0	0
22-Feb-01	43.25	0	0	0	0	0	0	0	0
23-Feb-01	17	0	0	0	0	0	0	0	0

Line_Stop_AE-5_E1 (PWB)

Print Date : 26-Mar-01 Time : 15:31:37

Date	TTL_hr	A/I	Material	Machine	Design	Model chg	Other	Total_Line_Stop	Facilities_down
Sub Total:	213.8 28.8%	0	0	1.4	0	0	0	1.4	0
<u>25-Feb-01</u>									
26-Feb-01	43.25	0	0	0	0	0	0	0	0
27-Feb-01	32.75	0	0	0	0	0	0	0	0
28-Feb-01	33.5	0	0	0	0	0	0	0	0
Sub Total:	109.5 14.7%	0	0	0	0	0	0	0	0
Grand Total:	742.8	0	2.25	4	0	0	0	6.25	0



BIOGRAPHY

Somkiat Wongmacharoensin was born on December 25th, 1963 in Songkhla, Thailand. He graduated from King Mongkut's Institute of Technology North Bangkok in 1989 with a Bachelor degree in Electrical Engineering. In 1997, he studied for the Master degree in Engineering Management at The Regional Centre for Manufacturing Systems Engineering, Faculty of Engineering, Chulalongkorn University and University of Warwick. He has been working with Sony Siam Industries Co., Ltd. since 1995 and his latest responsibility is Senior Manager of Production Division in 2001.