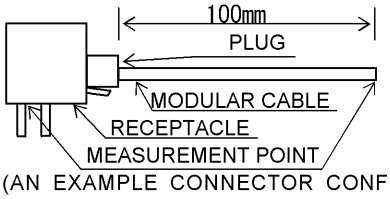
APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +80 °C	STORAGE TEMPERATURE RANGE	-25 °C TO +60 °C
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX.
	CURRENT	500mA	APPLICABLE CABLE	—

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz AC).  (AN EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)	60 mΩ MAX.	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	X
VOLTAGE PROOF (CONTACT TO CONTACT)	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 90 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2 HOURS FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 5 μs. 2) CONTACT RESISTANCE: 90 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC	EXPOSED AT +40 °C, 90 TO 95 % , 500 h	1) CONTACT RESISTANCE: 90 mΩ MAX. 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3 → 5 TO 35 → 85±2 → 5 TO 35 °C TIME 30 +5/0 → 5 MAX. → 30 +5/0 → 5 MAX. min UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 90 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 90 mΩ MAX. 2) NO HEAVY CORROSION.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1					

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	KN. ICHIKAWA	11.01.13
CHECKED	KN. ICHIKAWA	11.01.13
DESIGNED	HN. ANDO	11.01.11
DRAWN	HN. ANDO	11.01.11

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

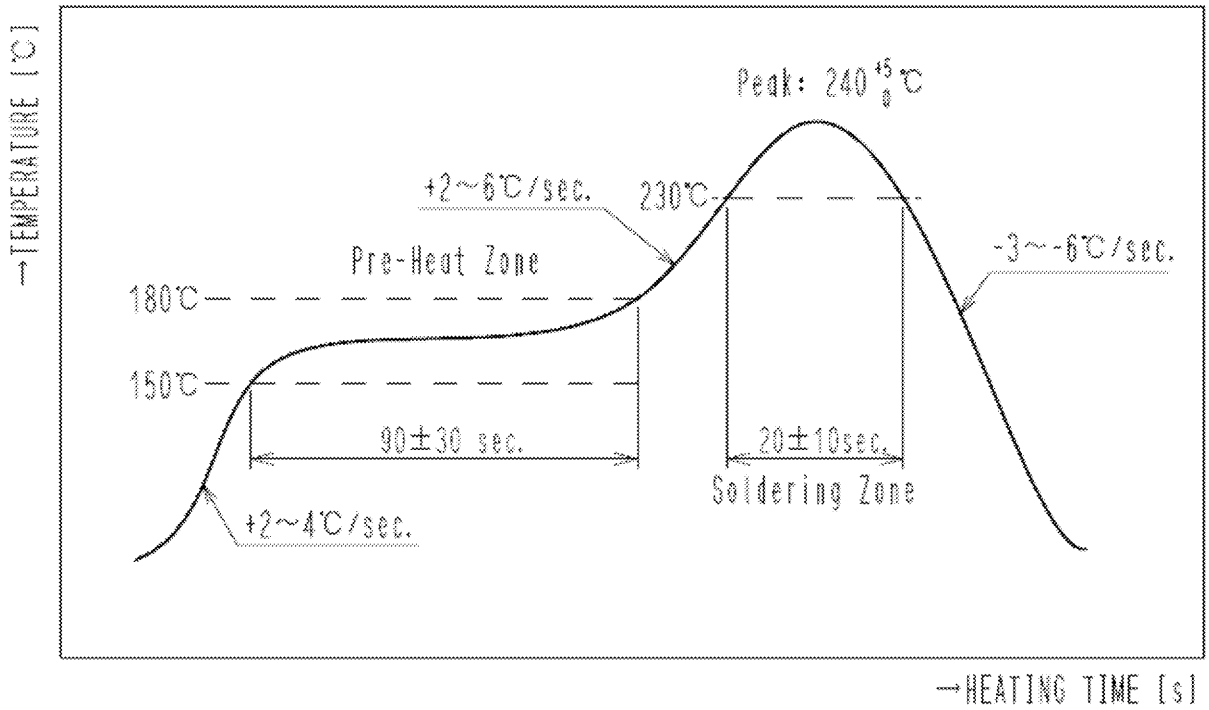
DRAWING NO. ELC4-127281-00

HRS	SPECIFICATION SHEET	PART NO.	TM25RS-5CNA-88	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2967-7-00 △1	1/2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT

RECOMMENDED TEMPERATURE PROFILE (REFLOW SOLDERING, MOUNTING AREA)



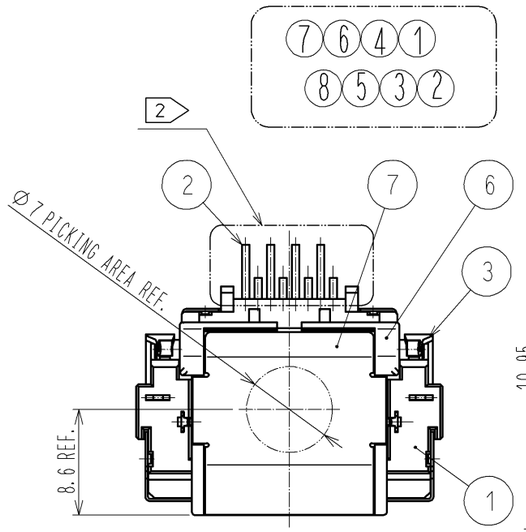
RECOMMENDED MANUAL SOLDERING TEMPERATURE

TEMPERATURE : 350±10℃

HEATING TIME : 4sec. MAX.

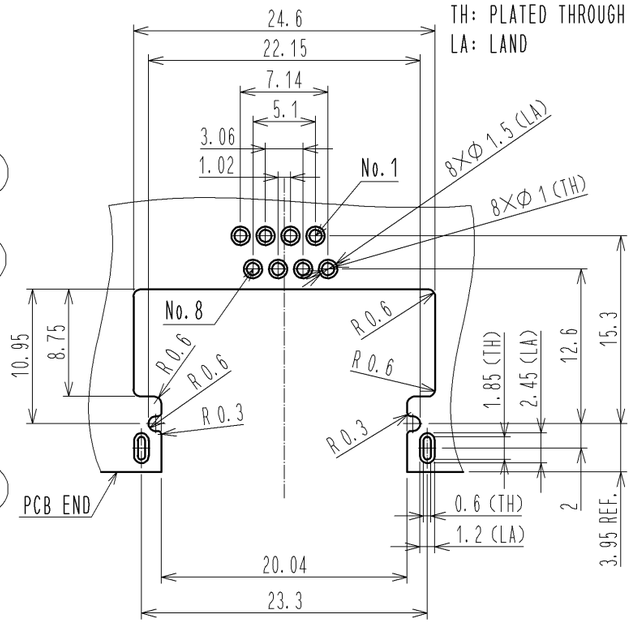
Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-127281-00		
HRS SPECIFICATION SHEET	PART NO.	TM25RS-5CNA-88		
HIROSE ELECTRIC CO., LTD.	CODE NO	CL222-2967-7-00	A	2/2

2 MOUNTING AREA PIN ASSIGNMENT



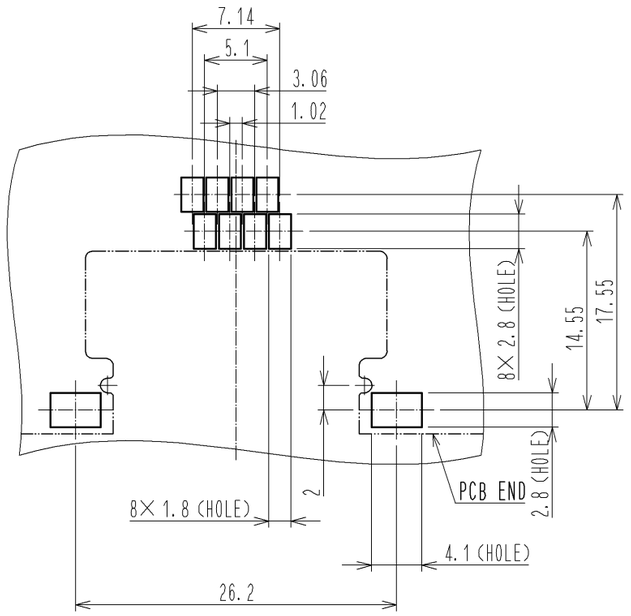
RECOMMENDED PC BORAD PATTERN

PCB THICKNESS: t1.2
TH: PLATED THROUGH HOLE
LA: LAND

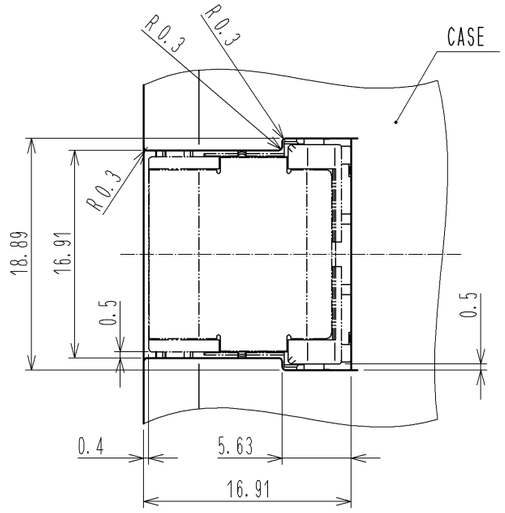


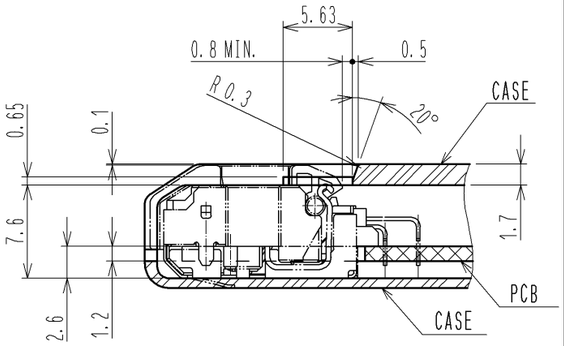
2 METAL MASK DIMENSIONS FOR REFERENCE

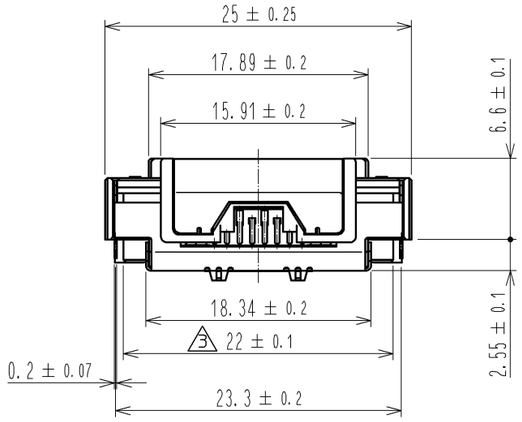
THICKNESS : t0.12

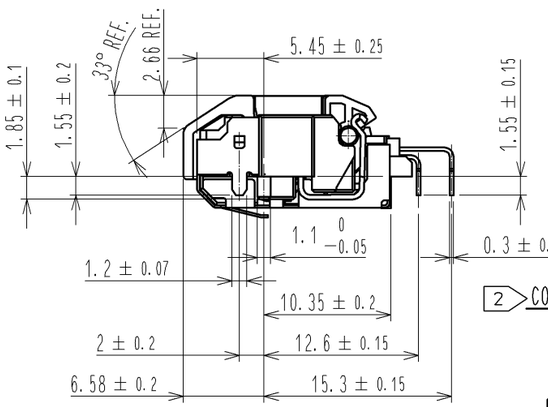


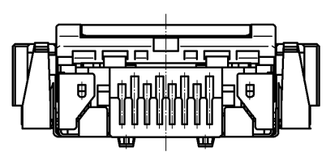
INSTALLATION DIMENSIONS FOR REFERENCE



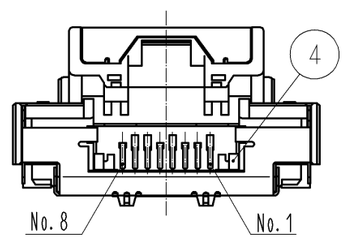


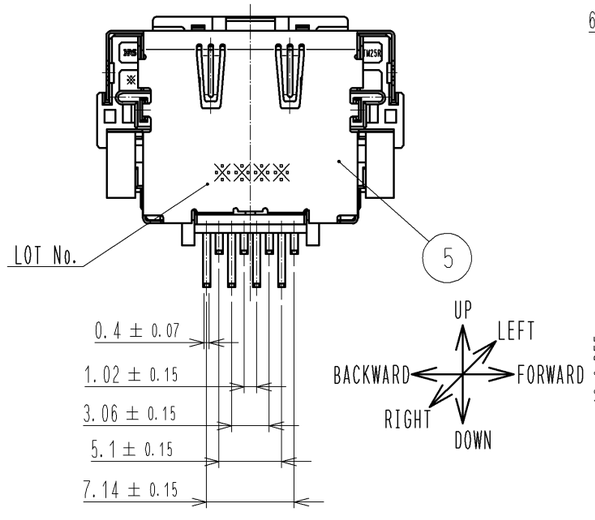






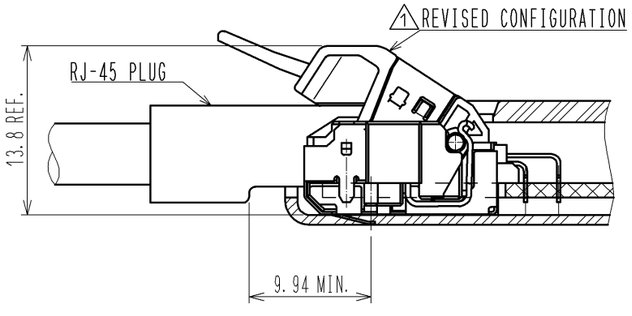
2 CONTACT AREA PIN ASSINGMENT





1 WRENCHING DIRECTION

1 REVISED CONFIGURATION



NOTES

1 WRENCHING STRENGTH IN EACH DIRECTION IS STATED AS FOLLOWS.
- BACKWARD AND FORWARD : 60N MIN.
- RIGHT AND LEFT : 30MIN.
- UP AND DOWN : 15N MIN. MOVING PART SHALL NOT BE COME OFF. AFTER IT IS EXAMINATED 20 TIMES : 10N MIN.

2 PIN ASSIGNMENT IS AS SHOWN IN FIGURE.
PLEASE NOTE THE PIN ASSIGNMENT IS FOR MOUNTING AREA AND DIFFERENT FROM THAT FOR CONTACT AREA.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
4	STAINLESS STEEL		8	PP 1	CLEAR, TRAY 1
3	STAINLESS STEEL		7	STAINLESS STEEL	NICKEL PLATING : 0.1μm MIN.
2	PHOSPHOR BRONZE	CONTACT AREA : GOLD PLATING 0.2μm MIN. MOUNTING AREA : GOLD PLATING 0.03μm MIN. UNDER PLATING : NICKEL PLATING 1μm MIN.	6	POLYAMIDE	BLACK, UL94V-0
1	POLYAMIDE	BLACK, UL94V-0	5	STAINLESS STEEL	BOTH SIDE TIN PLATING 3.8μm MIN. UNDER PLATING NICKEL PLATING 1.25μm MIN.

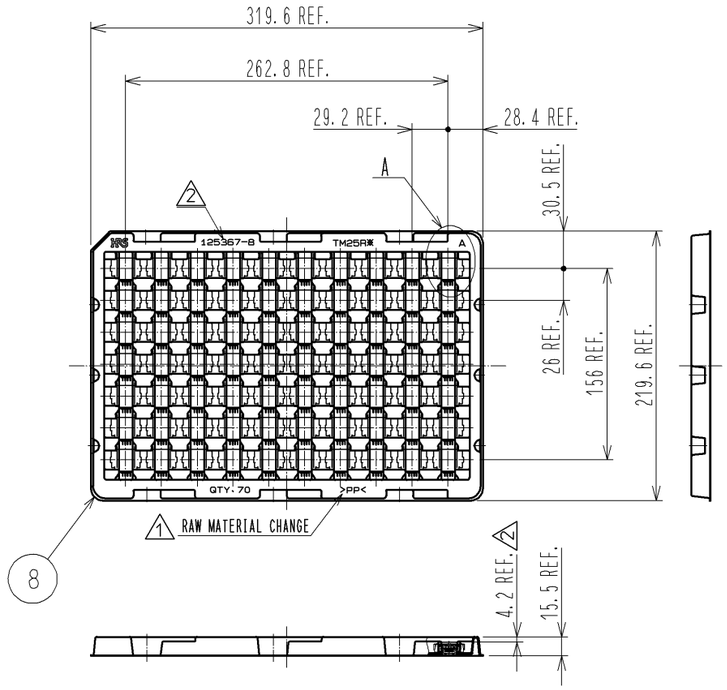
UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	3	1	DIS-E-004428	HN. ANDO	AH. KODAMA	12.11.14

HRS HIROSE ELECTRIC CO., LTD.

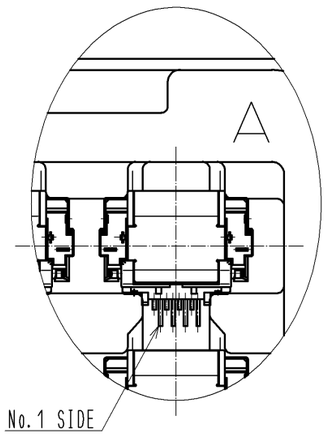
APPROVED	KN. ICHIKAWA	11.01.13	DRAWING NO. EDC3-127281-00
CHECKED	KN. ICHIKAWA	11.01.13	PART NO. TM25RS-5CNA-88
DESIGNED	HN. ANDO	11.01.13	
DRAWN	HN. ANDO	11.01.13	CODE NO. CL222-2967-7-00 3 1/2

3 PACKING OF TRAY (FREE)

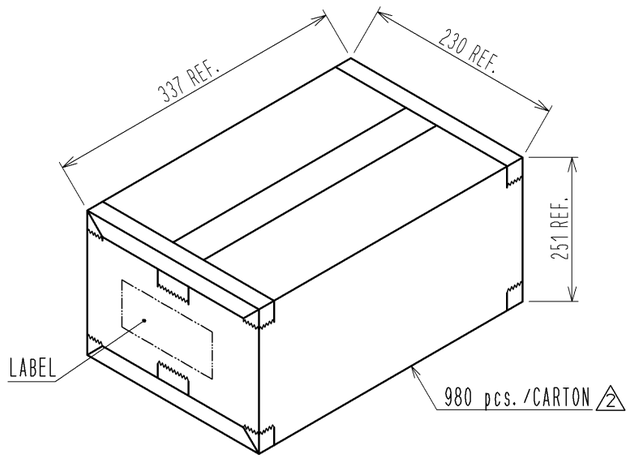
A TYPE 70 pcs./TRAY



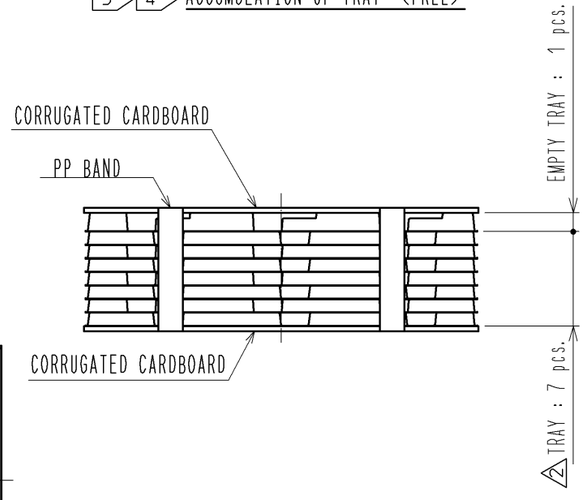
A (1 : 1)



4 PACKING OF CARTON (FREE)



5 4 ACCUMULATION OF TRAY (FREE)



B TYPE 70 pcs./TRAY

CONTENTS OF A LABEL

荷　札

得意先名(Customer Name)	納入場所(Shipment to)	
注文番号(P/O No.)	得意先品名(Customer Part Name)	自販
受注製番	1箱の入り数 個 (This box contains) / 納入数量 個 (Q'ty) (Pcs)	発送場所
振出製番(Delivery Register No.)		得意先数量 個(Pcs)
品目ｺｰﾄﾞ 仕様	HRS品名(Hirose Part Number)	
仕様名		工事番号
特記事項		
二枚分岐 / 営業ｺｰﾄﾞ		MADE IN JAPAN
ヒロセ電機株式会社 Hirose Electric Co.,Ltd.		

NOTES
3 PACKING : 70pcs./TRAY
4 THE PACKING SPECIFICATION CAN VARY WITH PACKING QUANTITIES.
5 2 SETS OF BANNED TRAYS ARE USED IN CARTON BOX WHEN PRODUCTS ARE STORED MAXIMUM.

DRAWING NO.	EDC3-127281-00
PART NO.	TM25RS-5CNA-88
CODE NO.	CL222-2967-7-00

3 2/2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Hirose Electric:
TM25RS-5CNA-88