

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +85°C	STORAGE TEMPERATURE RANGE °C TO °C
	VOLTAGE	AC 125 V	OPERATING HUMIDITY RANGE % TO %
	CURRENT	1 A	APPLICABLE CABLE

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	350 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 29.4 N MAX.	<input type="radio"/>	<input type="radio"/>
MECHANICAL OPERATION	20000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.5 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 60 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.		<input type="radio"/>	<input type="radio"/>

ENVIRONMENTAL CHARACTERISTICS

RESISTANCE TO DRY HEAT	EXPOSED IN 85 °C, 500h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→15~35 → 85 → 15~35 °C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90~95 %, 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. (AFTER DRY) ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
HYDROGEN SULPHIDE	EXPOSED IN SO ₂ 10ppm, H ₂ S 3ppm, 70~80%, 96 h.		<input type="radio"/>	<input type="radio"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
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FOR REFERENCE ONLY
Subject to change without notice
Unless otherwise specified, refer to JIS C 5402.

<i>J. Miura</i> 98.12.7	A. Funatsu 98.12.07	<i>[Signature]</i> 98.12.7	<i>[Signature]</i> 98.12.10	
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Note QT: Qualification Test AT: Assurance Test ○: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. 3560-16P-PG
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CODE NO.(OLD) CL	DRAWING NO. SLC4-120892	CODE NO. CL235-0016-0	1/1
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TO
Q1

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NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1									
2									
3									
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8									

FIG. 1
RECOMMENDED PCB PATTERN

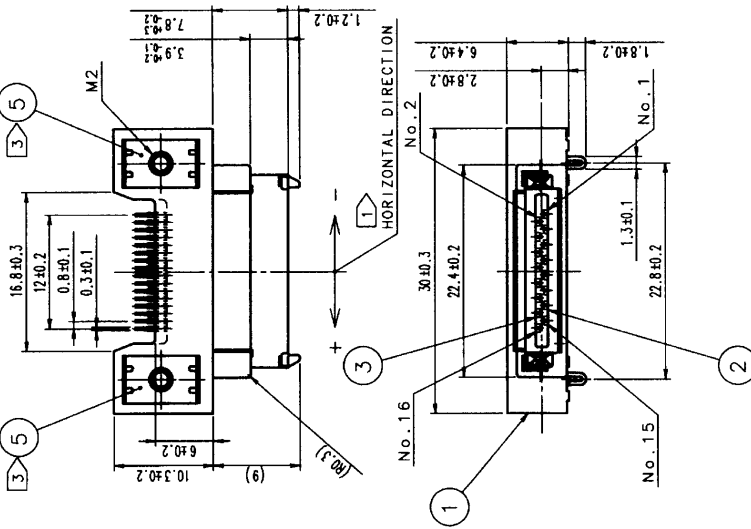
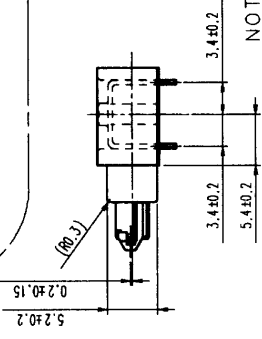
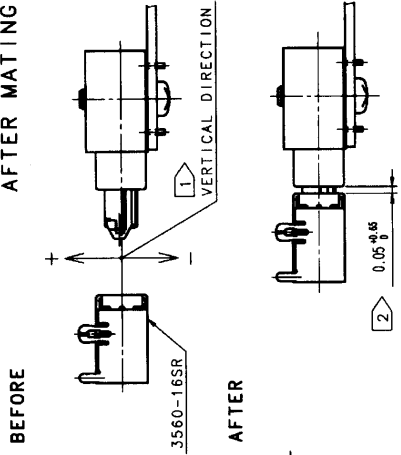
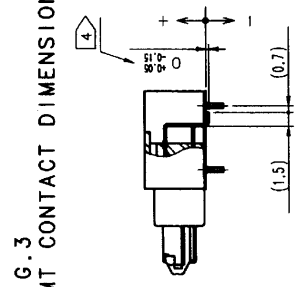


FIG. 2: BEFORE AND AFTER MATING



NOTE ① FLOATING DISTANCE IN HORIZONTAL AND VERTICAL DIRECTIONS IS ± 0.7 . (APPLICABLE CONNECTOR: 3560-16S OR 3560-16SR)
 ② GAP BETWEEN MATED PLUG AND RECEPTACLE TO BE $0.05^{+0.05}$
 ③ REFERENCE NO. ④ AND NO. ⑤ ARE CONNECTED INSIDE THE CONNECTOR. (GROUND IS TO BE CONNECTED TO PCB BY REFERENCE NO. ⑤.)
 ④ SMT DIMENSION OF CONTACTS (REFERENCE NO. ④ AND NO. ⑤) SHOWN IN FIG. 3.

FIG. 3
SMT CONTACT DIMENSION

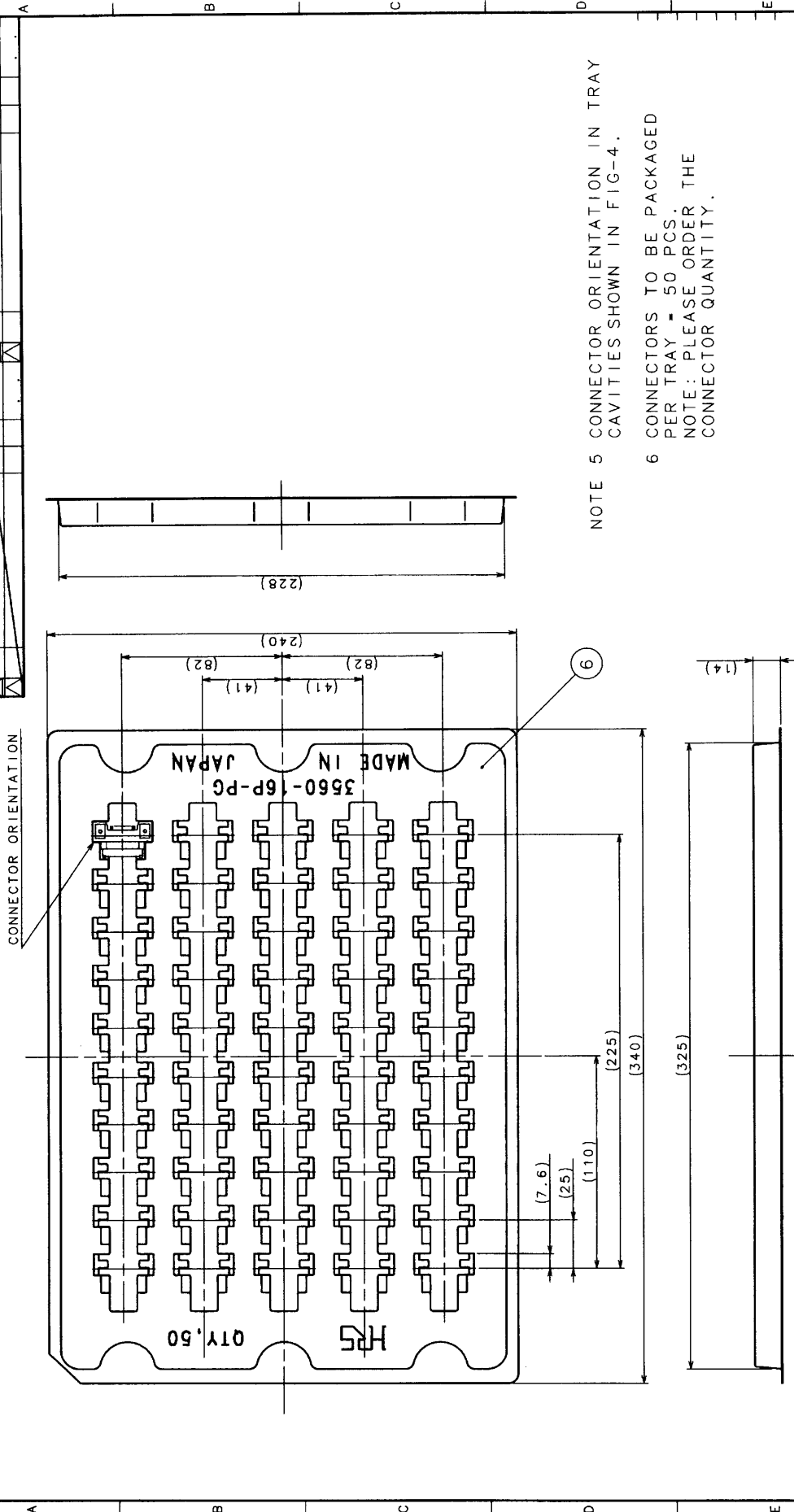


NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
3	COPPER ALLOY	SELECTIVE TIN-LEAD PLATING	5	COPPER ALLOY	TIN-LEAD PLATING
2	COPPER ALLOY	SELECTIVE GOLD PLATING	4	STAINLESS STEEL	
1	POLYAMIDE	BLACK UL94V-0			

DESIGNED: A. Funayama
 DRAWN: J. Minami
 CHECKED: [Signature]
 APPROVED: [Signature]
 DATE: 98.12.07
 RELEASED: 98.12.10
 USA

DRAWING NO.	EDC3-120892	PART NO.	3560-16P-PG
SCALE	2:1	CODE NO.	CL235-0016-0
UNITS	mm		

FIG-4. TRAY DIMENSION



NOTE 5 CONNECTOR ORIENTATION IN TRAY CAVITIES SHOWN IN FIG-4.

6 CONNECTORS TO BE PACKAGED PER TRAY - 50 PCS. NOTE: PLEASE ORDER THE CONNECTOR QUANTITY.

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5	6	7	8
COUNT DESCRIPTION OF REVISIONS	BY	CHKD	DATE

6		PVC		FINISH, REMARKS		MATERIAL		NO.		DESIGNED		CHECKED		APPROVED		FINISH, REMARKS	
NO.		MATERIAL		FINISH, REMARKS		NO.		DESIGNED		CHECKED		APPROVED		FINISH, REMARKS		RELEASED	
CODE NO. (OLD)		DRAWN		A. FURUKAWA		98.12.07		98.12.07		98.12.07		98.12.07		98.12.07		HRS 7 21 01 USA	
PACKAGING SPECIFICATION				DRAWING NO.				PART NO.				FINISH, REMARKS					
EDC3-120892				3560-16P-PC				CL235-0016-0									
SCALE		UNITS		DRAWING NO.		PART NO.		FINISH, REMARKS		FINISH, REMARKS		FINISH, REMARKS		FINISH, REMARKS		FINISH, REMARKS	
2 : 1		mm		EDC3-120892		3560-16P-PC		CL235-0016-0		CL235-0016-0		CL235-0016-0		CL235-0016-0		CL235-0016-0	
HRS		HIROSE ELECTRIC CO., LTD.		HRS		HIROSE ELECTRIC CO., LTD.		HRS		HIROSE ELECTRIC CO., LTD.		HRS		HIROSE ELECTRIC CO., LTD.		HRS	
FORM NO. 229		FORM NO. 229		FORM NO. 229		FORM NO. 229		FORM NO. 229		FORM NO. 229		FORM NO. 229		FORM NO. 229		FORM NO. 229	

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