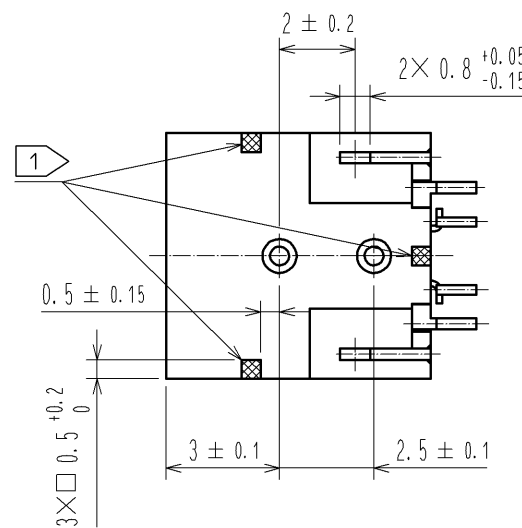
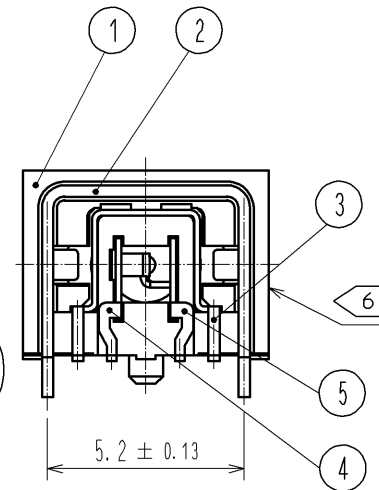
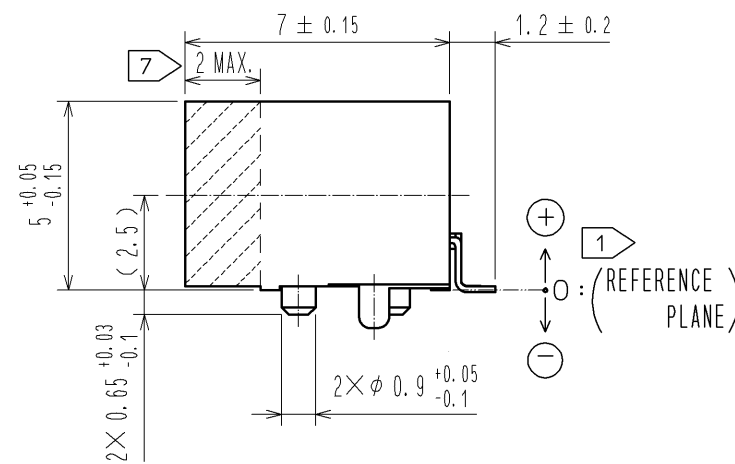
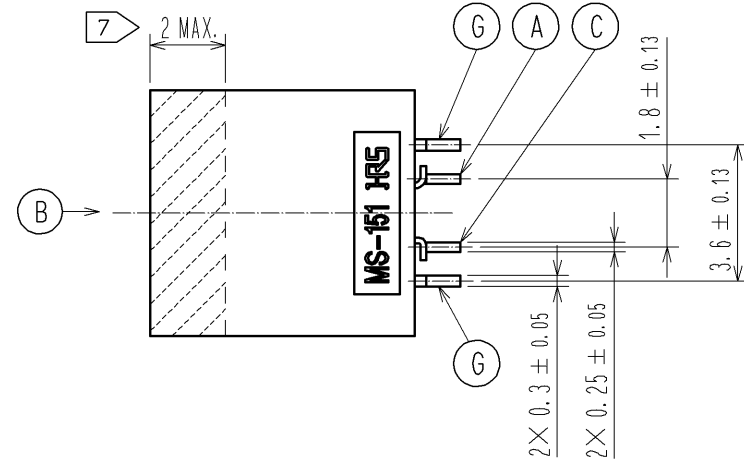
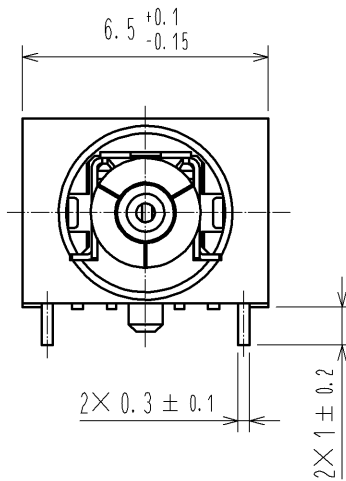
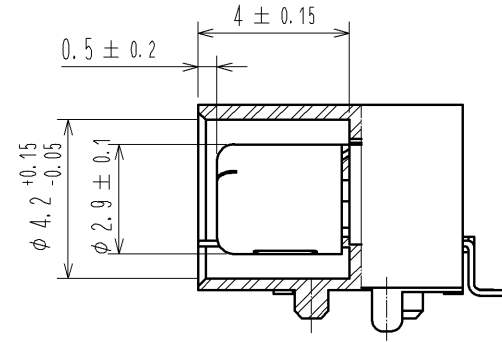
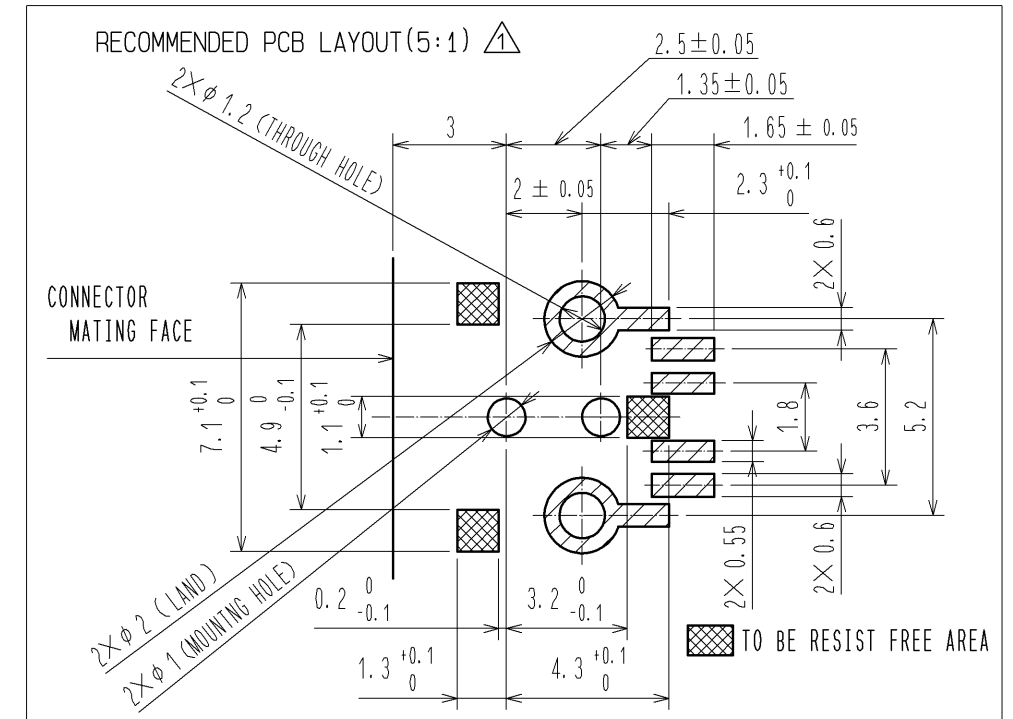
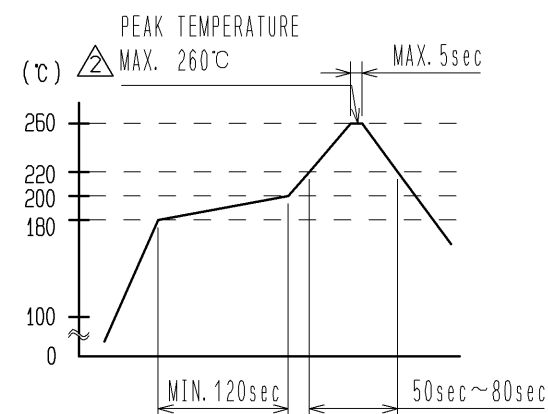


APPLICABLE STANDARD					
RATING	FREQUENCY RANGE	0.045 TO 3 GHz	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	POWER	4 W	CHARACTERISTIC IMPEDANCE	50 Ω	
	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	OPERATING HUMIDITY RANGE	% TO 90% (Non condensing)	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).	50 mΩ MAX.	×	×
INSULATION RESISTANCE		100 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF		100 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	×
V.S.W.R.	①	FREQUENCY 0.045 TO 1.0 GHz	N·C, N·O : 1.2 MAX	×	—
		FREQUENCY 1.0 TO 2.0 GHz	N·C, N·O : 1.4 MAX		
		FREQUENCY 2.0 TO 3.0 GHz	N·C, N·O : 1.7 MAX		
INSERTION LOSS	①	FREQUENCY 0.045 TO 1.0 GHz	N·C : 0.2dB MAX. N·O : 0.3dB MAX.	×	—
		FREQUENCY 1.0 TO 2.0 GHz	N·C : 0.4dB MAX. N·O : 0.5dB MAX.		
		FREQUENCY 2.0 TO 3.0 GHz	N·C : 0.6dB MAX. N·O : 1.0dB MAX.		
ISOLATION		FREQUENCY 0.045 TO 1.0 GHz	20 dB MIN.	×	—
		FREQUENCY 1.0 TO 2.0 GHz	18 dB MIN.		
		FREQUENCY 2.0 TO 3.0 GHz	12 dB MIN.		
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE : 100mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION		FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² 1 CYCLE : 11min, 10 CYCLES FOR EACH 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) CONTACT RESISTANCE : 100mΩMAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK		ACCELERATION : 490 m/s ² DURATION : 11 ms, HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH		×	—
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. (INITIAL VALUE)	INSERTION FORCE : 1~10N WITHDRAWAL FORCE : 3~15N	×	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5-35 → +85 → 5-35 °C TIME 30 → 2-3 → 30 → 2-3 min. UNDER 100 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SALT MIST		EXPOSED IN 5±1% TEMPERATURE 35±2°C SALT WATER SPRAY FOR 48h	1) CONTACT RESISTANCE : 100mΩMAX. 2) NO HEAVY CORROSION.	×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT +40°C, 90~95%,96h. THEN LEAVE IT FOR ONE HOUR OR TWO IN THE AMBIENT TEMPERATURE AND HUMIDITY.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
①					
REMARK			APPROVED	MH. YAMANE	14. 01. 27
① N·O SPEC INCLUDE MS-151-C(LP) AND CABLE .			CHECKED	NK. NINOMIYA	14. 01. 27
			DESIGNED	TS. NAKAGAWA	14. 01. 23
			DRAWN	TS. NAKAGAWA	14. 01. 23
Unless otherwise specified, refer to IEC-60512.					
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test			DRAWING NO.		ELC4-353753-00
HRS	SPECIFICATION SHEET		PART NO.	MS-151NB-1	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL358-0345-4-00	① 1/1

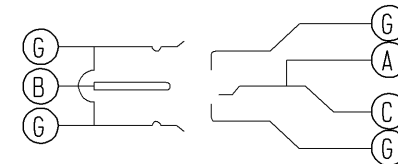
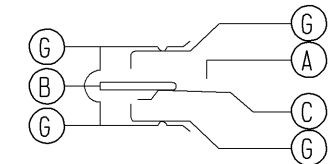
MATING FACE DIMENSIONS



SPECIFIED REFLOW TEMPERATURE PROFILE FOR LEAD-FREE SOLDER



- NOTE 1 IS REFERENCE PLANE FOR PCB MOUNTING.
SMT READ COPLANARITY SHALL BE $-0.05 \begin{smallmatrix} +0.03 \\ -0.07 \end{smallmatrix}$ FOR REFERENCE PLANE.
- USE THIS PRODUCT WITH MS-151-C(LP) AND EQUIVALENT CONTACT MATED.
 - COAXIAL SWITCH CIRCUIT SHALL BE AS FOLLOWS.

STATE OF CONTACT NONMATED
(N.C.:NORMAL CLOSE)STATE OF CONTACT MATED
(N.O.:NORMAL OPEN)

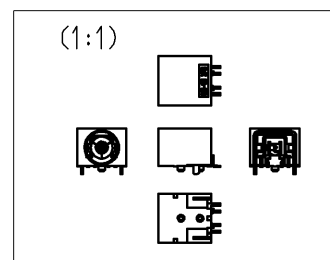
- THIS PRODUCT IS IMPOSSIBLE TO WASH.
- USE 0.15mm THICK METAL MASK.

6 LOT NO. IS MARKED ON THE SPECIFIED SURFACE.

7 FIX THE CONNECTOR WITH DEVICE CHASSIS AT THE AREA WITHIN 2mm FROM THE OPENING .

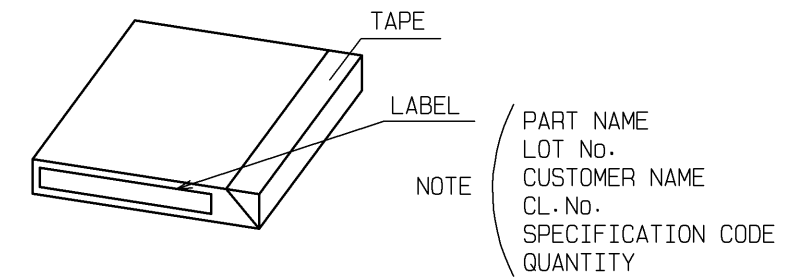
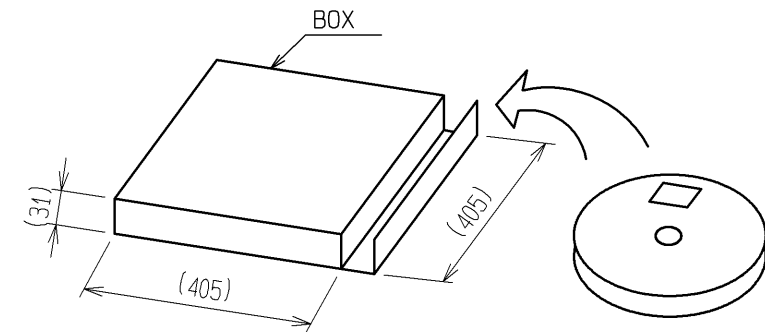
RoHS COMPLIANT

HALOGEN FREE COMPLIANT



3	PHOSPHOR BRONZE	SELECTIVE GOLD PLATING	7	PET	
2	STAINLESS STEEL	SELECTIVE GOLD PLATING	6	PS	
1	PA-M		5	PHOSPHOR BRONZE	SELECTIVE GOLD PLATING
			4	BERYLLIUM COPPER	SELECTIVE GOLD PLATING
部番	材 質	処 理 , 備 考	部番	材 質	処 理 , 備 考
UNITS mm		SCALE 5 : 1	訂正記事 DIS-D-003425	設計 RO. FURUYAMA	検 図 NK. NINOMIYA
HRS HIROSE ELECTRIC CO., LTD.	承認 : MH. YAMANE 14. 01. 27	検 図 : NK. NINOMIYA 14. 01. 27	設計 : TS. NAKAGAWA 14. 01. 23	製 図 : TS. NAKAGAWA 14. 01. 23	図番 : EDC3-353753-00
					製品名 : MS-151NB-1
					製品コード : CL358-0345-4-00

1000 PCS PER REEL



VACANT AREA
MORE THAN 20 POCKETS

PRODUCTS OCCUPIED ARE
:1000 POCKETS

VACANT AREA
MORE THAN 20 POCKETS

THE DIRECTION OF PULLING OUT

	図番：	EDC3-353753-00		
	製品名：	MS-151NB-1		
	製品コード	CL358-0345-4-00	△2	2/2