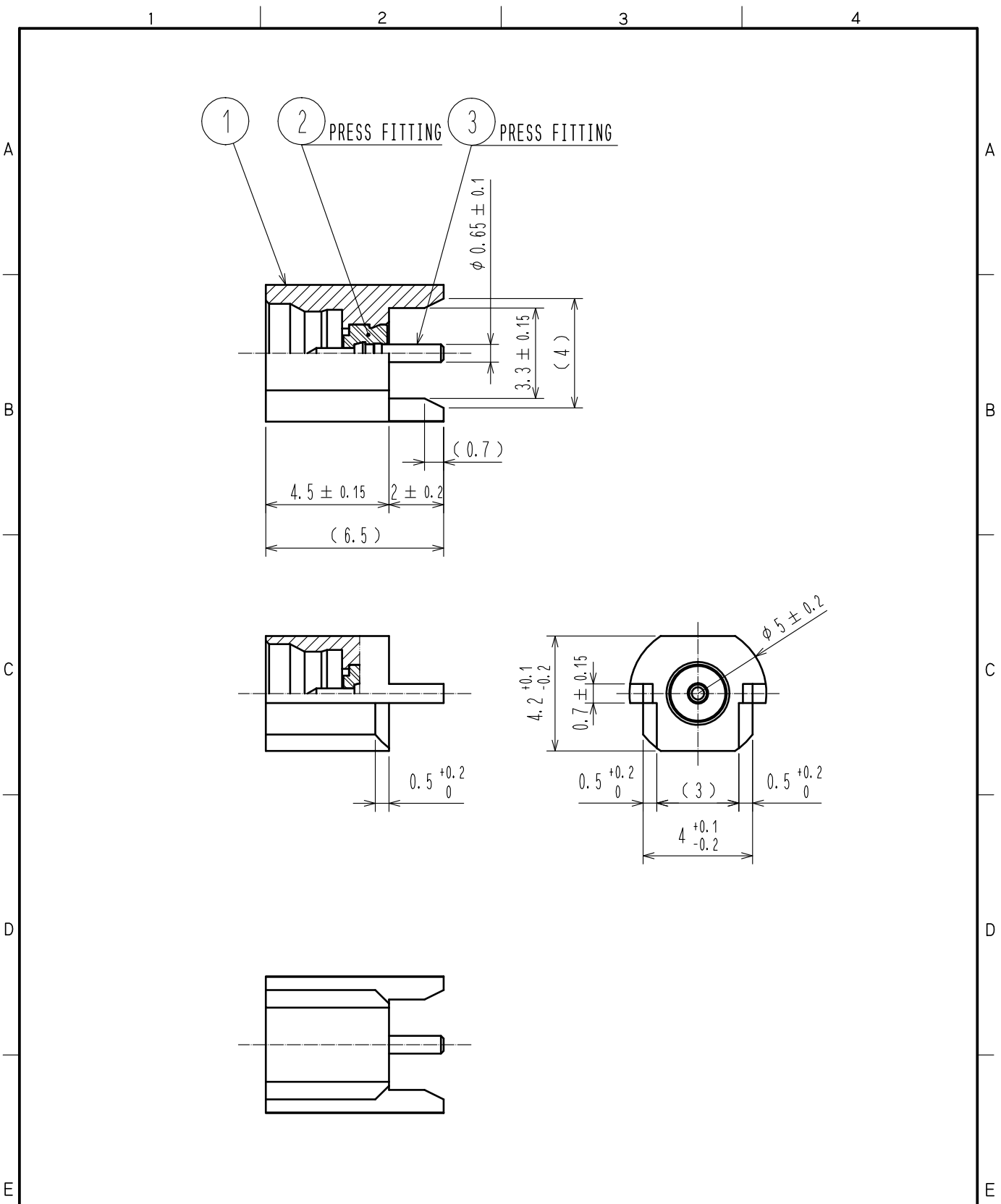


North Hayley JST 17 06 04 02 18 22 22	Applicable standard					
	Rating	Operating temperature range	-55 °C to +125 °C (95 %RH Max.)	Storage temperature range	-55 °C to +125 °C (95 %RH Max.)	
		Power	-- W	Characteristic impedance	50 Ω (0 to 18 GHz)	
		Peculiarity	----	Applicable cable	----	
SPECIFICATIONS						
ITEM	TEST METHOD		REQUIREMENTS	QT	AT	
CONSTRUCTION						
General examination	Visually and by measuring instrument.		According to drawing.	X	X	
Marking	Confirmed visually.			-	-	
ELECTRICAL CHARACTERISTICS						
Contact resistance	100 mA (DC or 1000 Hz)		Center contact	6 mΩ Max.	X	X
			Outer contact	6 mΩ Max.	X	X
Insulation resistance	500 V DC.		1000 MΩ Min.		X	X
Withstanding voltage	500 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.		X	X
Return loss	Frequency 0 to 10 GHz.		Return loss 20dB Max.		X	-
	Frequency 10 to 15 GHz.		Return loss 18dB Max.			
	Frequency 15 to 18 GHz.		Return loss 15dB Max.			
Insertion loss	Frequency - to - GHz.		--- dB Max.		-	-
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces	φ --- by steel gauge.		Insertion force	--- N Max.	-	-
			Extraction force	--- N Min.	-	-
Insertion and extraction forces	Measured by applicable connector.		Insertion force	--- N Max.	-	-
			Extraction force	--- N Min.	-	-
Mechanical operation	500 times insertion and extractions.		1)Contact resistance: Center contact 12 mΩ Max. Outer contact 12 mΩ Max. 2)No damage, crack and looseness of parts.		X	-
Vibration	Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s ² at 10 cycles for 3 directions.		1)No electrical discontinuity of 1 μs. 2)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	-
Cable clamp strength (Against cable pull)	Using a pulling tester, pull the cable axially at a rate of --- mm/min. and record the strength at which the cable or connector breaks.		--- N Min.		-	-
ENVIRONMENTAL CHARACTERISTICS						
Damp heat	Exposed at -10 to +65 °C, 90 to 98 % total 10 cycles.(240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.		X	-
Rapid change of temperature	Temperature -65 → - → +125 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.		No damage, crack and looseness of parts.		X	-
Corrosion salt mist	Exposed in 5 % salt water spray for 48 h.		Return loss 20dB Max. Return loss 18dB Max. Return loss 15dB Max.		X	-
Count	Description of revisions		Designed	Checked	Date	
Remark			Approved	KY.SHIMIZU	16.11.01	
RoHS COMPLIANT			Checked	KY.SHIMIZU	16.11.01	
1 The characteristic after mounting on the board.			Designed	TK.SAWAGUCHI	16.11.01	
Unless otherwise specified, refer to IEC 60512.			Drawn	TK.SAWAGUCHI	16.11.01	
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-364311-00-00		
HRS	SPECIFICATION SHEET		Part No.	SMP-LPR(LD)-SMT-18G		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1004-0-00	△	1/1



RoHS COMPLIANT

2	PTFE									
1	PHOSPHOR BRONZE	GOLD PLATING		3	PHOSPHOR BRONZE	GOLD PLATING				
NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS			
UNITS mm			SCALE 5 : 1	COUNT 	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
HIROSE ELECTRIC CO., LTD.			APPROVED : KY. SHIMIZU	16.11.01	DRAWING NO.		EDC-364311-00-00			
			CHECKED : KY. SHIMIZU	16.11.01	PART NO.		SMP-LPR(LD)-SMT-18G			
			DESIGNED : TK. SAWAGUCHI	16.11.01	CODE NO.		CL338-1004-0-00			
			DRAWN : TK. SAWAGUCHI	16.11.01			1/1			

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