




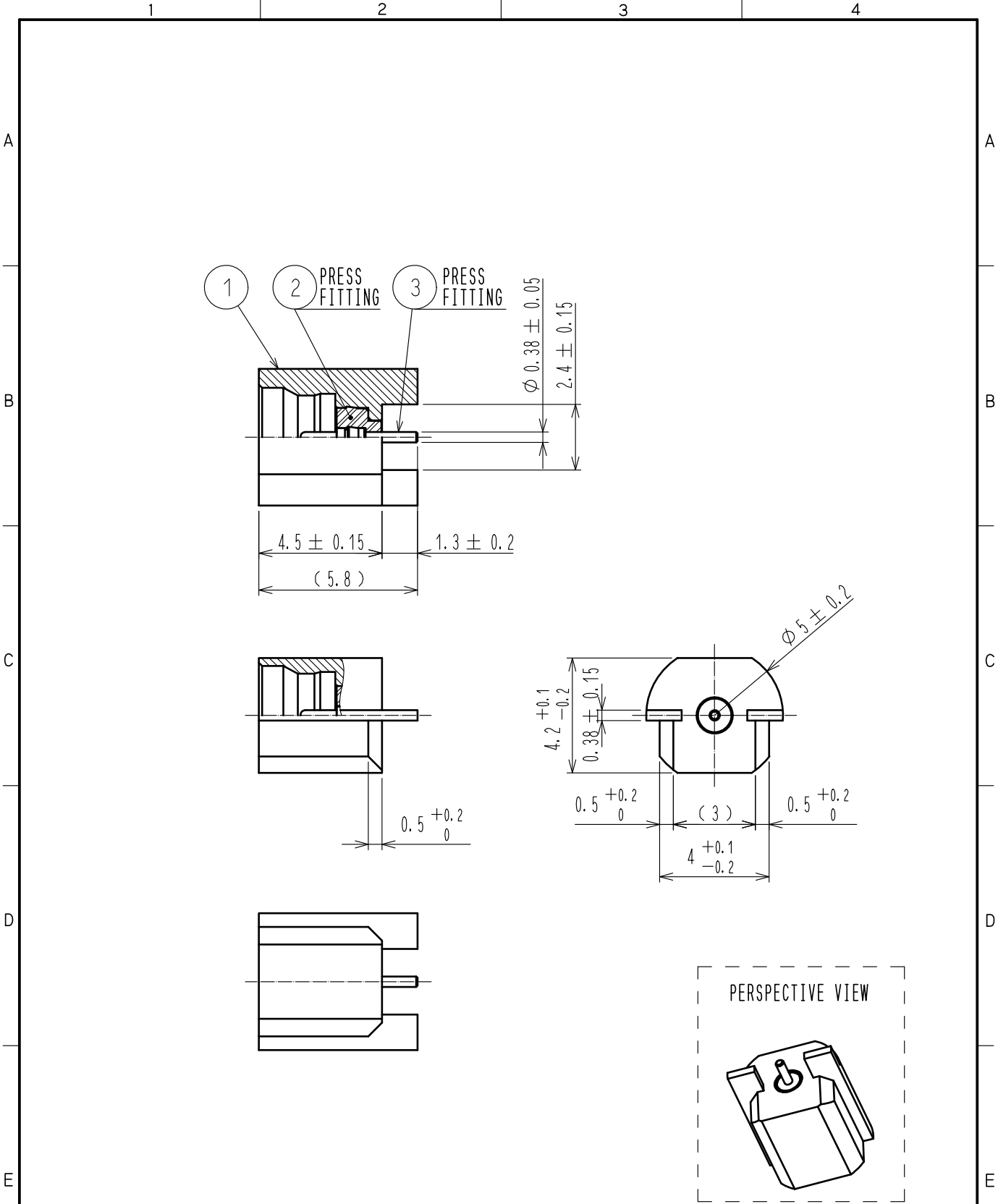






Applicable standard					
Rating	Operating temperature range	-55 °C to +125 °C (95 %RH Max.)	Storage temperature range	-55 °C to +125 °C (95 %RH Max.)	
	Power	-- W	Characteristic impedance	50 Ω(0 to 18 GHz)	
	Peculiarity	----	Applicable cable	----	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
General examination		Visually and by measuring instrument.		According to drawing.	X X
Marking		Confirmed visually.			- -
ELECTRICAL CHARACTERISTICS					
Contact resistance		100 mA Max.(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 20 dB Min.	X	-
		Frequency 10 to 15 GHz.	Return loss 18 dB Min.		
		Frequency 15 to 18 GHz.	Return loss 15 dB Min.		
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 20 dB Min.	X	-
			Return loss 18 dB Min.		
			Return loss 15 dB Min.		
	Count	Description of revisions	Designed	Checked	Date
Remark RoHS COMPLIANT Note  The characteristic after mounting on the board.			Approved	KY.SHIMIZU	17.01.25
			Checked	KY.SHIMIZU	17.01.25
			Designed	TY.OZAKI	17.01.25
Unless otherwise specified, refer to IEC 60512.			Drawn	TY.OZAKI	17.01.24
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-374986-00-00	
	SPECIFICATION SHEET		Part No.	SMP-LPR(LD)-SMT02-18G	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1008-0-00	 1/1



RoHS COMPLIANT

2	PTFE							
1	STAINLESS STEEL	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		17. 01. 25	DRAWING NO. EDC-374986-00-00			
		CHECKED : KY. SHIMIZU		17. 01. 25	PART NO. SMP-LPR<LD>-SMT02-18G			
		DESIGNED : TY. OZAKI		17. 01. 25	CODE NO.			
		DRAWN : TY. OZAKI		17. 01. 24	CL338-1008-0-00			
				1				

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