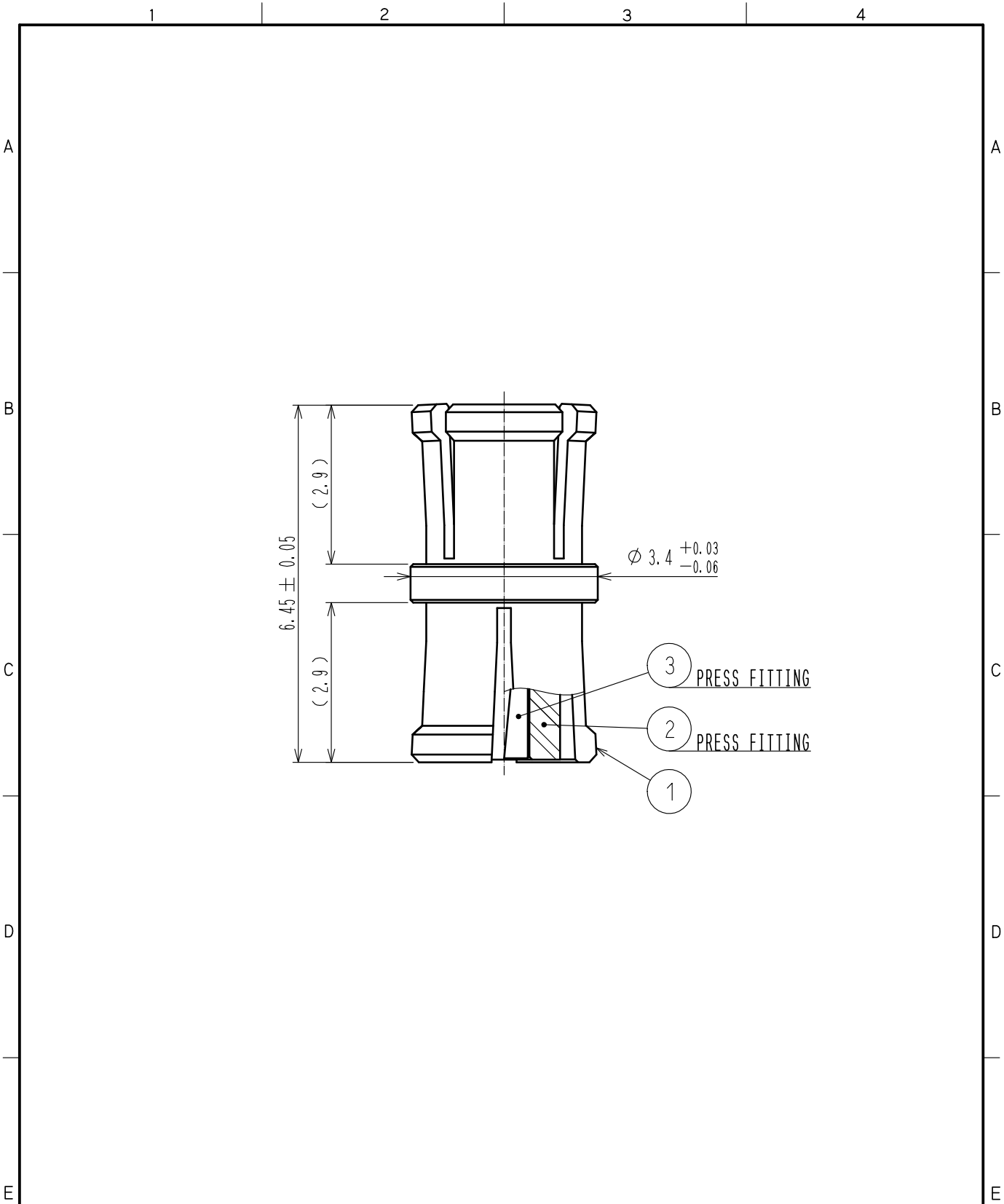


DRAWING FOR REFERENCE: THIS IS SUBJECT TO CHANGE WITHOUT NOTICE

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		10 mA Max.(DC or 1000 Hz)		Center contact 12 mΩ Max.	X	X
				Outer contact 12 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 18 GHz.		Return loss 20dB Min.	X	X
Insertion loss		Frequency - to - GHz.		--- dB Max.	—	—
MECHANICAL CHARACTERISTICS						
Contact insertion and extraction forces		φ 0.35 ⁰ _{-0.005} by steel gauge.		Insertion force --- N Max.	—	—
				Extraction force 0.2 N Min.	X	X
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 24 mΩ Max. Outer contact 24 mΩ Max.	X	—
				2)No damage, crack and looseness of parts.		
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.	X	—
				2)No damage, crack and looseness of parts.		
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.		No heavy corrsion. (The quality is judged by Return loss performance)	X	—
Count	Description of revisions		Designed	Checked	Date	
Remark	RoHS COMPLIANT			Approved	KY.SHIMIZU	16.11.07
				Checked	TO.KATAYAMA	16.11.05
				Designed	RO.YOKOYAMA	16.11.05
				Drawn	RO.YOKOYAMA	16.11.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-364312-00-00		
HRS	SPECIFICATION SHEET		Part No.	SMP-A-JJ-645-18G		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1005-0-00		
				△	1/1	



RoHS Compliant

2	PTFE								
1	BERYLLIUM COPPER	GOLD PLATING			3	BERYLLIUM COPPER	GOLD PLATING		
NO.	MATERIAL	FINISH . REMARKS			NO.	MATERIAL	FINISH . REMARKS		
UNITS mm		SCALE 10: 1		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
HIROSE ELECTRIC CO., LTD.		APPROVED :KY. SHIMIZU			16.11.07	DRAWING NO. EDC-364312-00-00			
		CHECKED :TO. KATAYAMA			16.11.05	PART NO. SMP-A-JJ-645-18G			
		DESIGNED :RO. YOKOYAMA			16.11.05	CODE NO. CL338-1005-0-00			
		DRAWN :RO. YOKOYAMA			16.11.05				

Mouser Electronics

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