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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Applicable standard		MIL-STD-348B		
Rating	Operating temperature range	-55 ℃ to +105 ℃ (95 %RH Max.)	Storage temperature range	-55 ℃ to +50 ℃ (95 %RH Max.)
	Power	-- W	Characteristic impedance	50 Ω(0 to 50 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.		X	X
ELECTRICAL CHARACTERISTICS				
Contact resistance	100 mA Max.(DC or 1000 Hz)	Center contact 4 mΩ Max.	X	X
		Outer contact 2 mΩ Max.	X	X
Insulation resistance	100 V DC.	1000 MΩ Min.	X	X
Withstanding voltage	200 V AC for 1 min. current leakage 2 mA Max.	No flashover or breakdown.	X	X
Voltage standing wave ratio	Frequency 0 to 50 GHz.	VSWR 1.3 Max.(0 to 40GHz) VSWR 1.4 Max.(40 to 50GHz)	X	—
Insertion loss	Frequency - to - GHz.	--- dB Max.	—	—
MECHANICAL CHARACTERISTICS				
Contact insertion and extraction forces	φ 0.495 $^{0}_{-0.005}$ by steel gauge.	Insertion force --- N Max.	—	—
		Extraction force 0.2 to 2 N.	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 6 mΩ Max. Outer contact 4 mΩ Max. 2)No damage, crack and looseness of parts.	X	—
Vibration	Frequency 10 to 100 Hz single amplitude 1.5 mm, 59 m/s^2 at 5 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	—
Shock	980 m/s^2 directions of pulse 6 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 10 mm/min. and record the strength at which the cable or connector breaks.	- N Min.	—	—
ENVIRONMENTAL CHARACTERISTICS				
Damp heat	Exposed at -10 to +65 ℃, 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 -55 → - → +105 → - ℃ 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.	VSWR 1.3 Max.(0 to 40GHz) VSWR 1.4 Max.(40 to 50GHz)	X	—

	Count	Description of revisions	Designed	Checked	Date
⚠1					

Remark
RoHS COMPLIANT
Note 1 This connector should be used for test port only.

Unless otherwise specified, refer to IEC 60512.

Approved	KH.IKEDA	17.01.23
Checked	TS.NOBE	17.01.20
Designed	TP.MATSUMOTO	17.01.20
Drawn	TP.MATSUMOTO	17.01.20

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

HRS	SPECIFICATION SHEET	Drawing No.	ELC-368795-12-00	
		Part No.	H2.4-LR-SR2(12)	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL338-0603-0-12	⚠1 1/1

FORM HD0011-2-1