SPECIFICATION

M50 Connectors

⇒ Materials

Mouldings: High Temperature Plastic UL94V-0

Contacts: Copper Alloy

M50-3XX: Gold on contact area, Finish:

Tin on tails

M50-4XX: Gold

: Electrical

Current rating: 1A per contact Voltage rating: 150V AC Voltage proof: 500V AC Contact resistance: $40 \text{ m}\Omega \text{ max}.$ Insulation resistance: 1000 MΩ min.

All preferred sizes of this range are held in stock.

Check www.harwin.com for availability.

: Environmental

Operating temperature: -40°C to +105°C Solderability: 260°C for 3 seconds Soldering heat resistance: 260°C for 5 seconds

: Mechanical

Durability: M50-315: 600 operations

> M50-300, 311: 50 operations M50-4XX: 300 operations M50-3XX male: 600 operations

Insertion force (max.): M50-3XX: 2.0N per contact

M50-4XX: 0.6N per contact

Withdrawal force (min.): M50-3XX: 0.3N per contact M50-4XX: 0.1N per contact

10 - 55Hz, 1.5mm,

Vibration sensitivity:

6 hours duration

 490m/s^2 (50G) for 11 ms Shock severity:

		FEMALE						
MALE	VERTICAL PC TAIL	HORIZONTAL PC TAIL	VERTICAL SMT	VERTICAL SMT Single polarised	VERTICAL SMT Double polarised	VERTICAL SMT Low Profile		
	DIL	DIL	DIL	DIL	DIL	DIL	DIL	
VERTICAI PC TAIL	5.40	M50-320	M50-310 M50-311	M50-430	Contact technical@ harwin.com	M50-312	M50-315	
	M50-350	M50-350	M50-350 M50-310	M50-470		M50-350	M50-350	
HORIZONT. PC TAIL	9.37	M50-320	M50-311	M50-430	Contact technical@ harwin.com	M50-312	M50-315	
	M50-390	M50-390	M50-390	M50-480		M50-390	M50-390	
VERTICAI SMT	6.08	M50-320	M50-310 M50-311	M50-430	M50-432	M50-312	M50-315	
	M50-360	M50-360	M50-390	M50-490	M50-492	M50-360	M50-360	

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All dimensions in mm.





















