

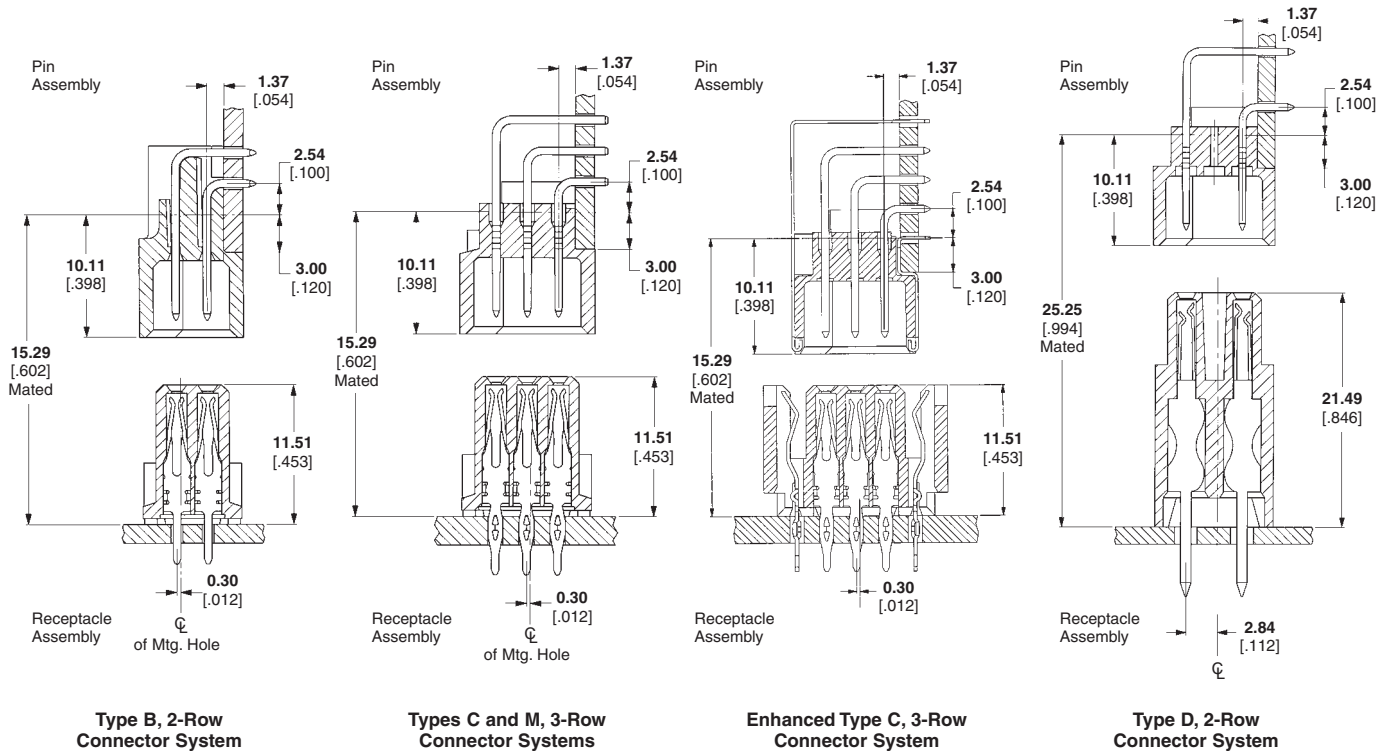
The following performance requirements are for Levels I, II and III of the DIN 41612 specification. Refer to Test Report 501-170 for AMP Eurocard Connector Level II test results.

**Fold out pages 7 & 8 for Eurocard Connector System Overview.**

**DIN 41612 Performance Levels**

	Level I	Level II	Level III
<b>Test Batch P</b>			
Dimensional Check	Yes	Yes	Yes
Contact Resistance	20 milliohms	20 milliohms	—
Insulation Resistance	1 E 12 ohms	1 E 12 ohms	1 E 11 ohms
Dielectric Strength	1000 V	1000 V	1000 V
<b>Test Batch AP</b>			
Withdrawal Force (Single Pin)	0.15 N [.54 oz] Min.	0.15 N [.54 oz] Min.	0.15 N [.54 oz] Min.
Mating and Unmating Force (96-Pos.)	90.7 N [20.4 lb] Max.	90.7 N [20.4 lb] Max.	90.7 N [20.4 lb] Max.
Solderability	Yes	Yes	Yes
Dielectric Strength	1000 V	1000 V	—
Vibration	10-2000 Hz, 20G	10-500 Hz, 6G	—
Shock	490 m/s <sup>2</sup> (50G)	—	—
Acceleration	980 m/s <sup>2</sup>	—	—
Rapid Temperature Change	-55°C, +125°C	-55°C, +125°C	—
Insulation Resistance	1 E 12 ohms	1 E 12 ohms	—
Dielectric Strength	1000 V	1000 V	—
Visual Examination	Yes	Yes	Yes
Climatic Sequence	5 cycles	5 cycles	—
Dry Heat	+125°C, 16 hours	+125°C, 16 hours	+125°C, 16 hours
Insulation Resistance (During Dry Heat)	1 E 11 ohms	1 E 11 ohms	1 E 10 ohms
Humid Heat	+55°C	+40°C	—
Cold	-55°C	-55°C	-55°C
Partial Vacuum	300M bar	300M bar	—
Dielectric Strength	300 V	300 V	—
Humid Heat	+55°C	+40°C	—
Insulation Resistance	1 E 10 ohms	1 E 10 ohms	1 E 9 ohms
Contact Resistance	20 milliohms	20 milliohms	20 milliohms
Dielectric Strength	1000 V	1000 V	—
Mating and Unmating	90.7 N [20.4 lb]	90.7 N [20.4 lb]	90.7 N [20.4 lb]
Visual Examination	Yes	Yes	Yes
<b>Test Batch BP</b>			
Withdrawal Force	0.15 N [.54 oz]	0.15 N [.54 oz]	0.15 N [.54 oz]
Durability	250 cycles	200 cycles	50 cycles
Industrial Atmosphere	21 days SO2	4 days SO2	—
Contact Resistance	20 milliohms	20 milliohms	—
Durability	250 cycles	200 cycles	—
Insulation Resistance	1 E 12 ohms	1 E 12 ohms	—
Dielectric Strength	1000 V	1000 V	—
Withdrawal Force	0.15 N [.54 oz]	0.15 N [.54 oz]	0.15 N [.54 oz]
Visual Examination	Yes	Yes	Yes
Static Axial Force	90 N [20.25 lb]	—	—
<b>Test Batch CP</b>			
Humid Heat	56 days	56 days	—
Insulation Resistance	1 E 10 ohms	1 E 10 ohms	—
Contact Resistance	20 milliohms	20 milliohms	—
Dielectric Strength	1000 V	1000 V	—
Visual Examination	Yes	Yes	—
<b>Test Batch DP</b>			
Durability	250 cycles	200 cycles	—
Electric Load at High Temperature	1 ampere at 70°C	1 ampere at 70°C	—
Contact Resistance	20 milliohms	20 milliohms	—
Dielectric Strength	1000 V	1000 V	—
Discharge Voltage	1000 V	1000 V	—
Visual Examination	Yes	Yes	—
<b>Test Batch EP</b>			
Mechanical Strength of Terminals	20 N [4.5 lb]	20 N [4.5 lb]	—
Contact Mount in Use	10 N [2.25 lb]	10 N [2.25 lb]	—
Growth of Mold	Yes	—	—
Visual Examination	Yes	—	—
Combustibility	10 sec burning	—	—

**Overview of Eurocard Connector System**



**Type B, 2-Row Connector System**

**Types C and M, 3-Row Connector Systems**

**Enhanced Type C, 3-Row Connector System**

**Type D, 2-Row Connector System**

	Type B	Type C/Enhanced Type C (Signal Contacts)**/Type M (Signal Contacts)	Type D
Catalog Pages	14-16	17-24, 28-31/25-27/44, 46, 47	34, 35
Number of Positions (Max.)	64	96	32
Row Levels	A & B	A, B & C	A & C
Grid in inches fully loaded (Pitch and row distance)	Receptacle Assembly	<b>2.54 x 2.54</b> [.100 x .100]	<b>5.08 x 5.08</b> [.200 x .200]
	Pin Assembly	<b>2.54 x 2.54</b> [.100 x .100]	<b>5.08 x 5.08</b> [.200 x .200]
Minimum adjacent mounting space required	<b>10.2</b> [.400]	<b>12.7</b> [.500]	
<b>Performance Specifications:</b>			
Current Rating	Per DIN 41612*		
Voltage Rating	250 VAC		250 VAC
Dielectric Rating	1000 VAC		1.55 KV max.
Contact Resistance	15 milliohms initial at 100 ma and 50 mv, open circuit		15 milliohms
Insulation Resistance	10 <sup>6</sup> megohms after temperature cycling environment		
Temperature Rating	-55°C to +125°C, except EUROLATCH Connectors, +105°C max.		
Durability	Per DIN 41612, Level I, II or III		
Mating Force	Less than <b>0.94 N</b> [3.4 oz] Avg. per contact		
Unmating Force	<b>0.15 N</b> [.54 oz] min. per contact after three mating cycles		

\* See derating curve, page 10.

\*\* For additional electrical data, see page 11.