

Design	: complementary to IEC 61 076-4-101 (2 mm hard metric specification)																
Number of contacts	: 72 or 144																
Contact spacing	: 2.00 mm (1.50 mm between contact rows on the termination side of female connectors)																
Working current	: 1.0 A (24 °C temp. raise) 1.5 A (52 °C temp. raise) 2.0 A (88 °C temp. raise)																
Test voltage $U_{r.m.s.}$: min. 750 V																
Contact resistance	: < 20 mΩ																
Impedance (differential)	: 100 Ω																
Typical differential data rate	: 1.5 - 2.5 Gbps																
Temperature range during reflow soldering	: - 55 °C ... + 125 °C max. 260 °C (peak temperature)																
Performance level*	: performance level 2 = 250 mating cycles performance level 1 = 500 mating cycles																
Termination technique	: press-in for male and female connectors SMC for female connectors, compatible with lead-free solder process																
Pcb characteristics	: min. 1.4 mm for male and female connectors with press-in terminations 1.6 mm - 2.4 mm for female connectors with SMC terminations																
Recommended configuration of plated through holes	<table border="1"> <thead> <tr> <th></th> <th>press-in</th> <th>SMC</th> </tr> </thead> <tbody> <tr> <td>Plated hole-Ø</td> <td>0.6 ± 0.05 mm</td> <td>0.7 ^{+0.07}_{-0.05} mm</td> </tr> <tr> <td>Hole-Ø</td> <td>0.7 ± 0.02 mm</td> <td>0.8 ± 0.02 mm</td> </tr> <tr> <td>Cu</td> <td>30 - 50 µm</td> <td>30 - 50 µm</td> </tr> <tr> <td>Sn</td> <td>5 - 15 µm</td> <td>5 - 15 µm</td> </tr> </tbody> </table>			press-in	SMC	Plated hole-Ø	0.6 ± 0.05 mm	0.7 ^{+0.07} _{-0.05} mm	Hole-Ø	0.7 ± 0.02 mm	0.8 ± 0.02 mm	Cu	30 - 50 µm	30 - 50 µm	Sn	5 - 15 µm	5 - 15 µm
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Cu	30 - 50 µm	30 - 50 µm															
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Mating force	: < 0.75 N/pin																
Materials																	
Mouldings	: Thermoplastic resin, glass-fibre filled, UL 94-V0																
Contacts	: Copper alloy																
Contact surface	: Au/Ni																
Packaging																	
Tube	: Male connectors and female connectors with press-in terminations																
Tape & Reel	: Female connectors with SMC terminations																

* Other platings on request