

FEATURES AND SPECIFICATIONS

Features and Benefits

- High-density 2.00mm metric connector in the same form factor as Futurebus
- 6-row 2mm connector provides 30 contacts per linear centimeter (over 75 per inch)
- Designed for high-density, high-speed applications
- Modular components for design flexibility; 72 position (6 row by 12) and 144 position (6 row by 24) modules
- Tail lengths available in 0.5mm increments to optimize PCB thickness
- Surface Mount Compatible

Reference Information

Product Specification: PS-73670-9999

Packaging: Tube

UL File No.: E29179

Mates With: 73642, 73643, 73644, 73769, 73770, 73771, 73781, 73782, 73783, 74349 and 74428

Designed In: Millimeters

Electrical

Voltage: 1000V

Current: 1.0A

Contact Resistance: 40mΩ max

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 1000 MΩ min.

Mechanical

Insertion Force: 45N max. per press-fit pin

Retention Force: 9N min. per press-fit pin

Mating Force: 0.35N typical

Unmating Force: 0.15N min.

Signal Normal Force: 0.75N nom./0.60N min.

Durability: 250 cycles

Physical

Housing: Liquid crystal polymer

Contact: Copper Alloy per C72500

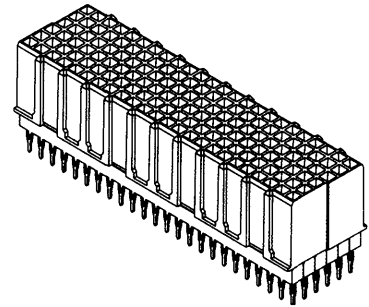
Plating: 30μ" Gold with 300μ" Tin/Lead

Operating Temperature: -55 to +105°C

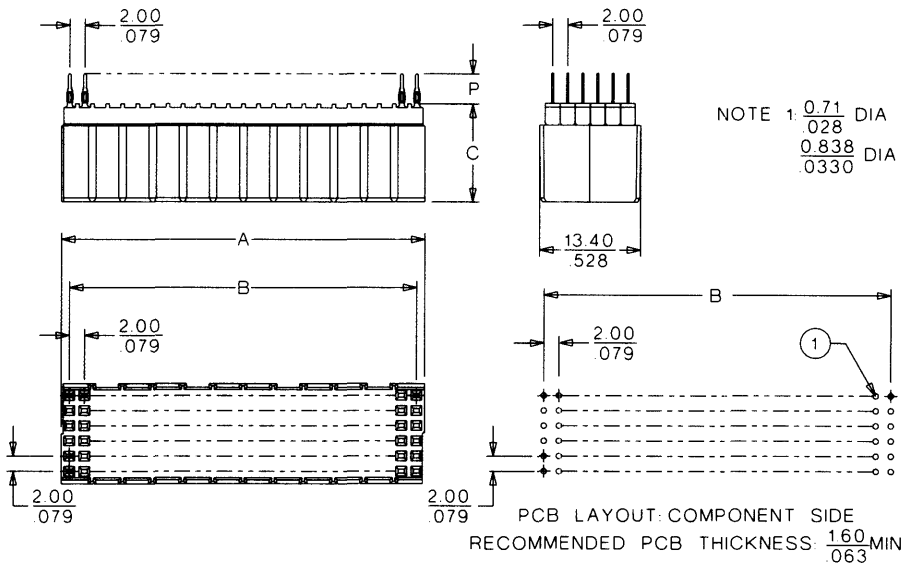


2.00mm (.079") Pitch HDM* Board-to-Board Daughterboard Receptacle

73780 Vertical Signal Module



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Termination	Dimension			Order No.				
		A	B	P	C = 13.0 (.512)	C = 14.0 (.551)	C = 15.0 (.591)	C = 16.0 (.630)	C = 17.0 (.669)
72	Solder Tail	24.17 (.952)	22.00 (.866)	2.00 (.079)	73780-0223	73780-0224	73780-0225	73780-0226	73780-0227
	Solder Tail	24.17 (.952)	22.00 (.866)	2.50 (.098)	73780-0233	73780-0234	73780-0235	73780-0236	73780-0237
	Solder Tail	24.17 (.952)	22.00 (.866)	3.00 (.118)	73780-0243	73780-0244	73780-0245	73780-0246	73780-0247
	Solder Tail	24.17 (.952)	22.00 (.866)	3.50 (.138)	73780-0253	73780-0254	73780-0255	73780-0256	73780-0257
	Solder Tail	24.17 (.952)	22.00 (.866)	4.00 (.158)	73780-0263	73780-0264	73780-0265	73780-0266	73780-0267
	Press-Fit	24.17 (.952)	22.00 (.866)	3.00 (.118)	73780-2243	73780-2244	73780-2245	73780-2246	73780-2247
	Press-Fit	24.17 (.952)	22.00 (.866)	3.50 (.138)	73780-2253	73780-2254	73780-2255	73780-2256	73780-2257
144	Solder Tail	48.17 (1.896)	46.00 (1.811)	2.00 (.079)	73780-1223	73780-1224	73780-1225	73780-1226	73780-1227
	Solder Tail	48.17 (1.896)	46.00 (1.811)	2.50 (.098)	73780-1233	73780-1234	73780-1235	73780-1236	73780-1237
	Solder Tail	48.17 (1.896)	46.00 (1.811)	3.00 (.118)	73780-1243	73780-1244	73780-1245	73780-1246	73780-1247
	Solder Tail	48.17 (1.896)	46.00 (1.811)	3.50 (.138)	73780-1253	73780-1254	73780-1255	73780-1256	73780-1257
	Solder Tail	48.17 (1.896)	46.00 (1.811)	4.00 (.158)	73780-1263	73780-1264	73780-1265	73780-1266	73780-1267
	Press-Fit	48.17 (1.896)	46.00 (1.811)	3.00 (.118)	73780-3243	73780-3244	73780-3245	73780-3246	73780-3247
	Press-Fit	48.17 (1.896)	46.00 (1.811)	3.50 (.138)	73780-3253	73780-3254	73780-3255	73780-3256	73780-3257

* High Density Metric and HDM^{PLUS} are trademarks of Teradyne, Inc.