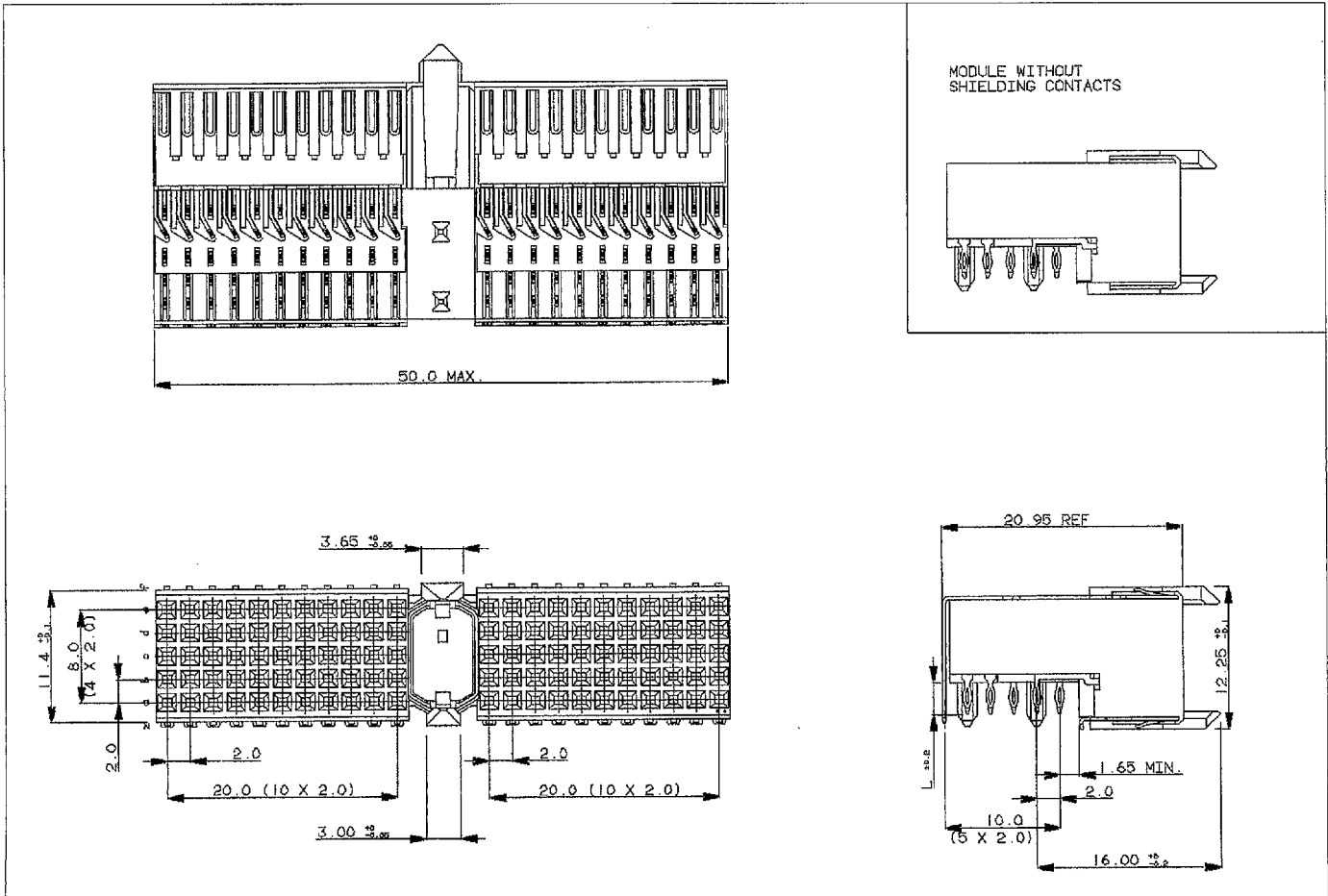




Female signal right angle press-fit-to-board connector TYPE A : 110 signal contacts



How to order

Millipacs 2 connector family	HM2	R01	P	A	510	1	<input type="checkbox"/>	<input type="checkbox"/>
Body variation	R	right angle receptacle						
Module type	01	type A module with location pegs						
	10	type A module without location pegs						
Termination type	P	press-fit						
Termination length*	A	2.8 mm						
Equipped rows*	5	rows A + B + C + D + E						
Loading pattern*	1	fully loaded						
0 for receptacle modules								
Shielding*	1	shielded						

Performance level (add plating code, see page 7)

* Part number conforms to the drawing above. For others, see page 19a.



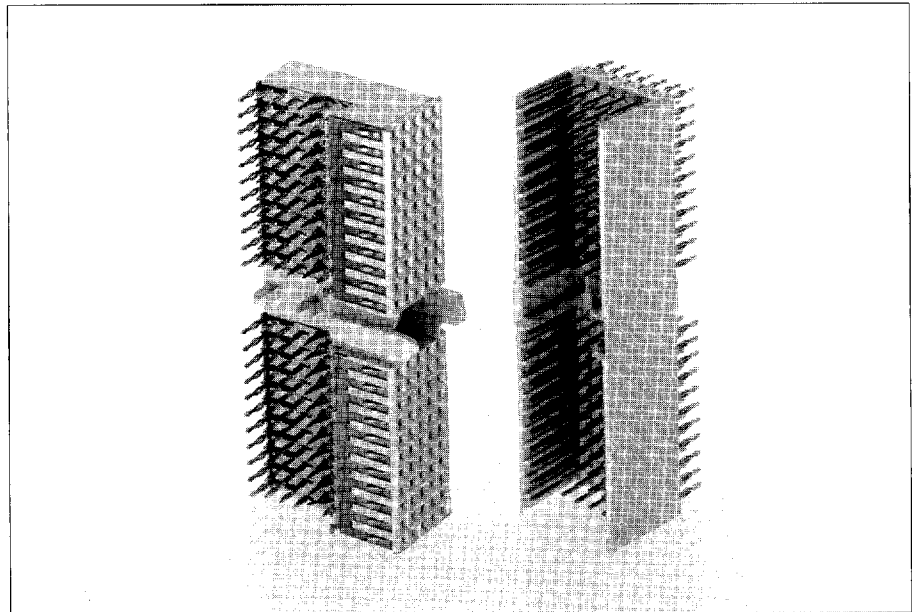
Fixed and free modules

Description

Connector modules having a 5+2 row contact arrangement on a pitch of 2.0 mm featuring high density, shielding and high speed in a hard metric configuration.

Performance characteristics

Operating temperature	: -55°C to +125°C
Operating current*	: 1.5 A at 20°C 1.0 A at 70°C
Test voltage*	: 750 Vrms
Contact resistance	: 20 mΩ max
Insulation resistance	: 10 ⁴ mΩ min
Insertion force	: 0.75 N max per contact pair
Withdrawal force	: 0.15 N min per contact pair
Hertz stress	: 200 Kpsi min



Contact levels	: 3
	5.30 mm
	6.80 mm
	8.30 mm
Normal force	: 0.75 N min (EOL)
Creepage and clearance*	: 0.6 mm min (free modules) 0.8 mm min (fixed modules)

* Fully loaded

Construction

Insulator material	: high temperature thermoplastic UL94V0
Contact material	: phosphor bronze
Contact plating	: selective gold or (palladium nickel)** over nickel on mating areas

** Please consult FCI

Performance levels

Performance level	Mating cycles	Plating code	Plating specification
3	50	Z1	0.4 μ Au min over 1.3 μ Ni min
2	250	N9	0.8 μ Au min over 1.3 μ Ni min
1	500	E9	1.0 μ Au min over 1.3 μ Ni min



Component board layout TYPE A, B and C

