

*Electronics*

**Right Angle Female Connectors, 5 Row, Types A, B and C**

**Right Angle Female Connectors**

Types A, B and C female connectors will mate with respective vertical and right angle male connectors and with shrouds shown on pages 10 and 29.

Type A has 110 contacts with center guiding and keying facility, type B has 125 contacts and type C has 55 contacts with end guiding feature. All are end stackable without change of contact pitch according to the chart on page 9.

Four levels of performance are offered; standard, reduced crosstalk, ground return shield and reduced crosstalk + ground return shields. Upper ground return shields are pre-fitted to receptacles; lower shields are supplied and fitted separately as required. 5+2 male connectors are used with ground return shield versions.

For versions other than those shown, refer to page 47 which gives access to other sizes and loading patterns.

**Performance Data pages 6-7.**

**Materials and Finish**

Glass filled polyester housing, gray, UL94 V-0 rated

Phosphor-bronze signal contacts

Contact area 0.8µm [.000030] Au over 1.3µm [.000050] Ni

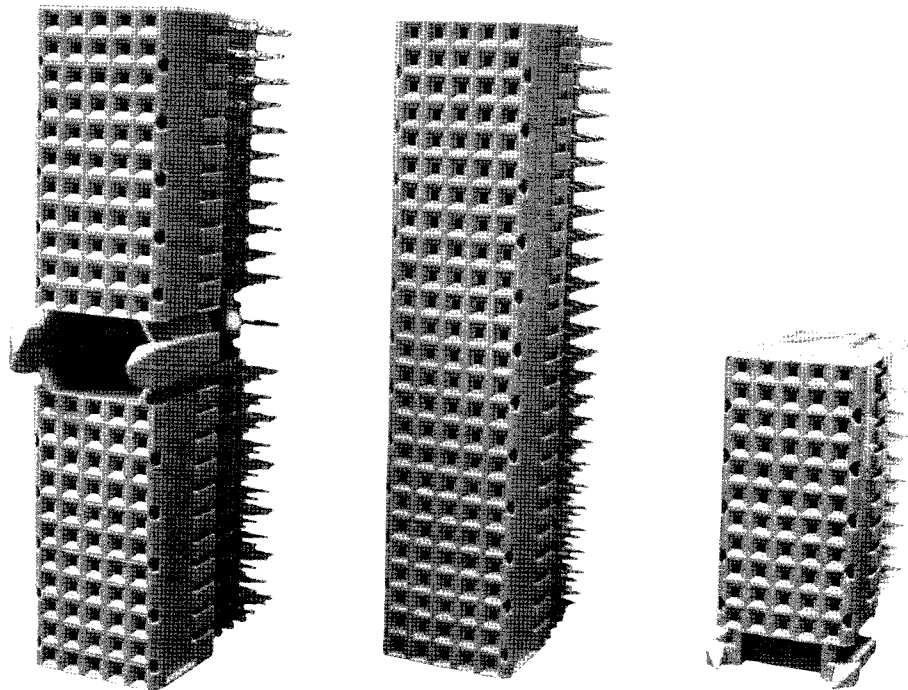
ACTION PIN Contact 0.5µm [.000020]

Sn/Pb over 1.3µm [.000050] Ni

**Coding keys for type A page 47.**

**Board layout page 69 for guidance only.**

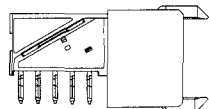
**Daughtercard thickness range of 1.4 - 4.3 [.055 - .169] (3.5 [.138] max with lower shield).**



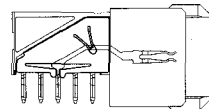
Standard Version

Reduced Crosstalk Version

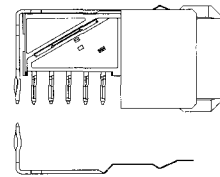
With Upper Shield Attached



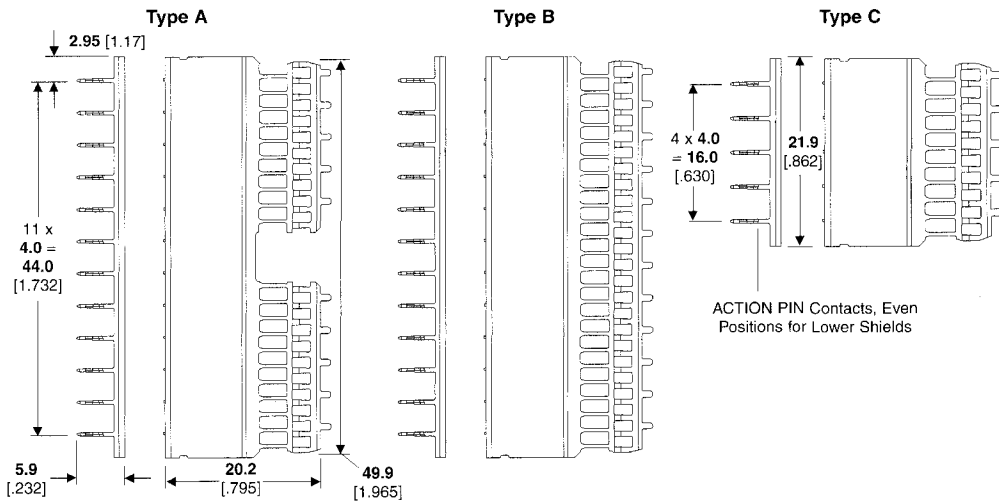
Lower Shields



Row C to Ground



Separate Lower shield



Description	Part Numbers				
	Standard	Standard with Upper Shield	Reduced Cross Talk	Reduced Cross Talk with Upper Shield	Lower Shield
Type A	100147-1	352068-1	100623-1	352344-1	338108-2
Type B	100145-1	352069-1	100624-1	352345-1	338110-2
Type B (22)	188836-1	352152-1	—	1345007-1	352468-2
Type B (19)	352009-1	352171-1	—	1345008-1	352029-2
Type C	100161-1	352115-1	188224-1	352346-1	352112-2

For VME64 and C-PCI versions, see page 48.