

Introducing Mezalok Connector

*(High Reliability Mezzanine
Connector)*

KEY FEATURES

- 60 and 114 positions
- Mini-Box contact system provides 4 points of contact for ultra reliability
- LCP plastic housings offer superior thermal stability and are low-outgassing
- Compliant BGA board attach supports standard surface mount processing and excellent thermal stability
- 114 position footprint compatible to XMC footprint and all dimensional constraints

DESCRIPTION

Rugged surface mount mezzanine connector incorporating “super-redundant” Mini-Box contact system for separable interface.

Designed for 10mm and 12mm stack heights in both 60 and 114 positions.

APPLICATIONS

- Stacking or mezzanine applications
- 114 position is designed to support VITA 61 XMC architecture as rugged alternative to VITA 42 XMC
- 60 position designed for custom architecture stacking applications

ELECTRICAL

- Stacking or mezzanine applications
- 114 position is designed to support VITA 61 XMC architecture as rugged alternative to VITA 42 XMC
- 60 position designed for custom architecture stacking applications

MECHANICAL

- 500 mating cycles durability
- Mating force: 0.30 lb. max. times number of contacts
- 65°C to +125°C operating temperature
- Shock and vibration per VITA 47 requirements

MATERIALS

Pin Assembly:	LCP plastic housings, white in color
Socket Assembly:	LCP plastic housings, white in color
Contacts:	High Performance Copper Alloy, 50μ” Au in mating interface (Sn/Pb and SAC305 solder balls are available)

STANDARDS & SPECS

- 114 position conforms to requirement of VITA 61 (VITA 42 Alternate)
- VITA 42 and VITA 61 are not intermateable, but are footprint and XMC architecture compatible

APPLICATION TOOLING

- Product is installed via standard BGA surface mount processes.

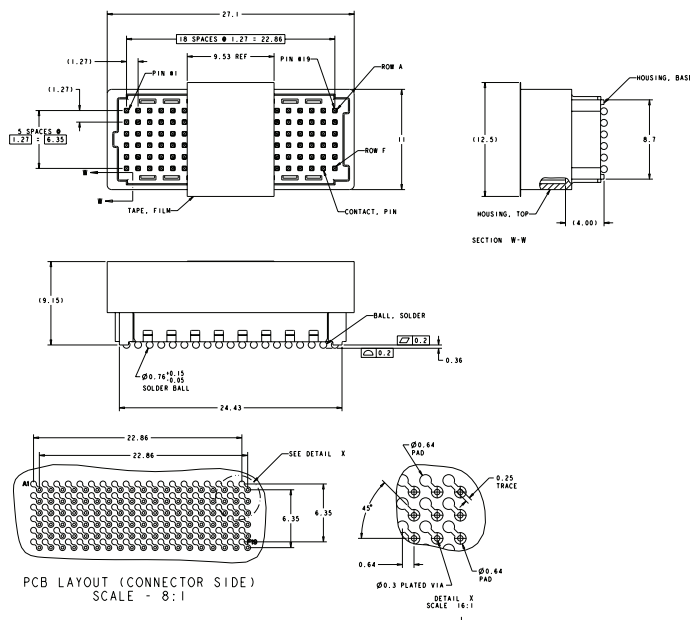
ORDERING INFORMATION



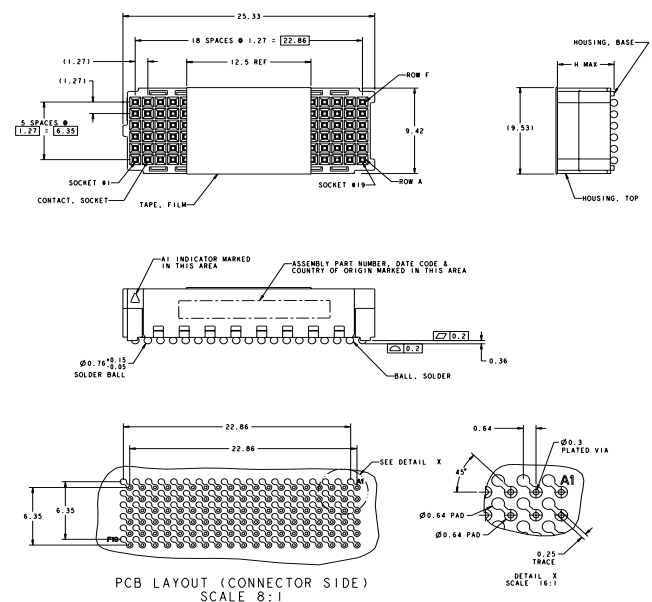
4 pin contact

Part Number	Description
114 Position:	
2102060-1	Assembly, pin housing, tin-lead, 1.27 μ m gold
2102060-2	Assembly, pin housing, lead-free, 1.27 μ m gold
2102060-3	Assembly, pin housing, tin-lead, 0.76 μ m gold
2102060-4	Assembly, pin housing, lead-free, 0.76 μ m gold
2102061-1	Assembly, socket housing, tin-lead, 10 mm, 1.27 μ m gold
2102061-2	Assembly, socket housing, lead-free, 10 mm, 1.27 μ m gold
2102061-3	Assembly, socket housing, tin-lead, 12 mm, 1.27 μ m gold
2102061-4	Assembly, socket housing, lead-free, 12 mm, 1.27 μ m gold
2102061-5	Assembly, socket housing, tin-lead, 10 mm, 0.76 μ m gold
2102061-6	Assembly, socket housing, lead-free, 10 mm, 0.76 μ m gold
2102061-7	Assembly, socket housing, tin-lead, 12 mm, 0.76 μ m gold
2102061-8	Assembly, socket housing, lead-free, 12 mm, 0.76 μ m gold
2102061-9	Assembly, socket housing, tin-lead, 18 mm, 1.27 μ m gold
1-2102061-0	Assembly, socket housing, lead-free, 18 mm, 1.27 μ m gold
1-2102061-1	Assembly, socket housing, tin-lead, 18 mm, 0.76 μ m gold
1-2102061-2	Assembly, socket housing, lead-free, 18 mm, 0.76 μ m gold
60 Position:	
2102079-1	Assembly, pin housing, tin-lead, 1.27 μ m gold
2102079-2	Assembly, pin housing, lead-free, 1.27 μ m gold
2102079-3	Assembly, pin housing, tin-lead, 0.76 μ m gold
2102079-4	Assembly, pin housing, lead-free, 0.76 μ m gold
2102080-1	Assembly, socket housing, tin-lead, 10 mm, 1.27 μ m gold
2102080-2	Assembly, socket housing, lead-free, 10 mm, 1.27 μ m gold
2102080-3	Assembly, socket housing, tin-lead, 12 mm, 1.27 μ m gold
2102080-4	Assembly, socket housing, tin-lead, 12 mm, 1.27 μ m gold
2102080-5	Assembly, socket housing, tin-lead, 10 mm, 0.76 μ m gold
2102080-6	Assembly, socket housing, lead-free, 10 mm, 0.76 μ m gold
2102080-7	Assembly, socket housing, tin-lead, 12 mm, 0.76 μ m gold
2102080-8	Assembly, socket housing, lead-free, 12 mm, 0.76 μ m gold

Pin — 2102060



Socket — 2102061



FOR MORE INFORMATION

Technical Support

Internet:	www.tycoelectronics.com/ADM
E-mail:	product.info@tycoelectronics.com
USA:	+1 (800) 522-6752
Canada:	+1 (905) 470-4425
Mexico:	+52 (0) 55-1106-0814
C. America:	+52 (0) 55-1106-0814
South America:	+55 (0) 11-2103-6000
Germany:	+49 (0) 6251-133-1999
Great Britain:	+44 (0) 8706-080208
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

Tyco Electronics Corporation
Harrisburg, PA

tycoelectronics.com

©2010 Tyco Electronics Corporation

2-1773457-3 — ADM — FP — 2.5M — 10/10
TE (logo) and Tyco Electronics are trademarks.

