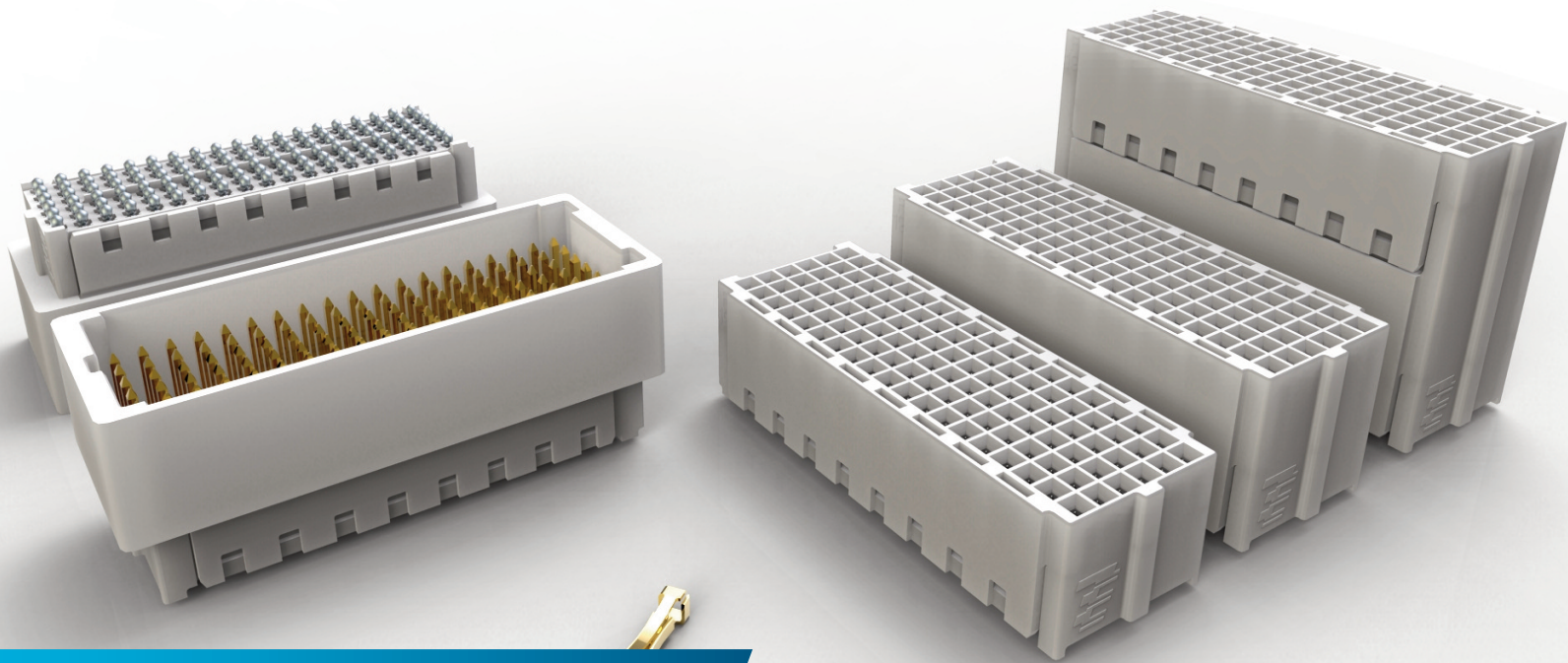




Introducing Mezalok Connector

*(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.

Mezalok Connector

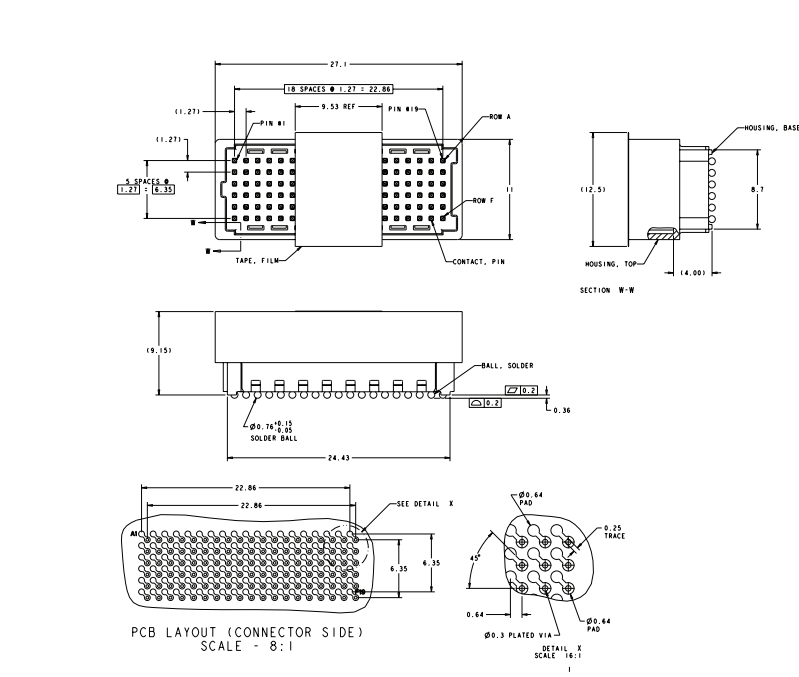
ORDERING INFORMATION



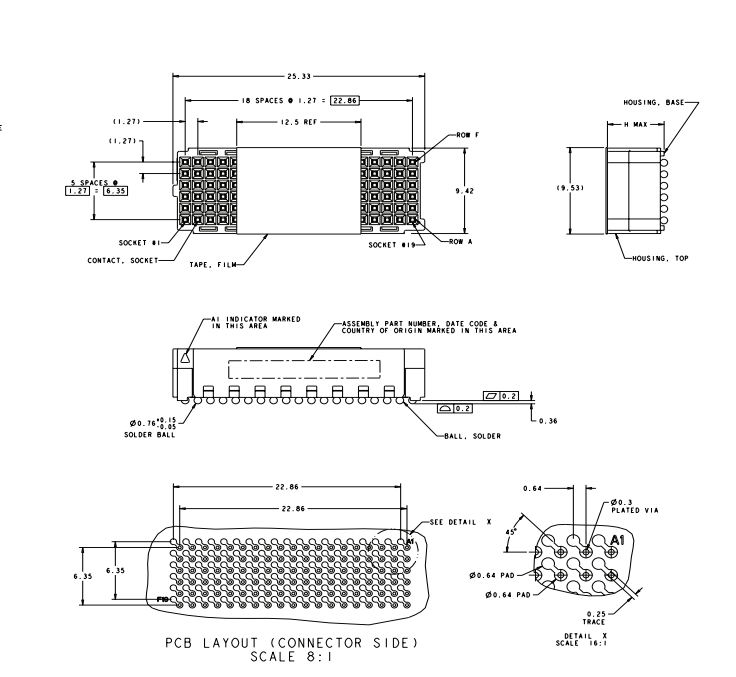
4 pin contact

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

Pin — 2102060



Socket — 2102061



FOR MORE INFORMATION

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