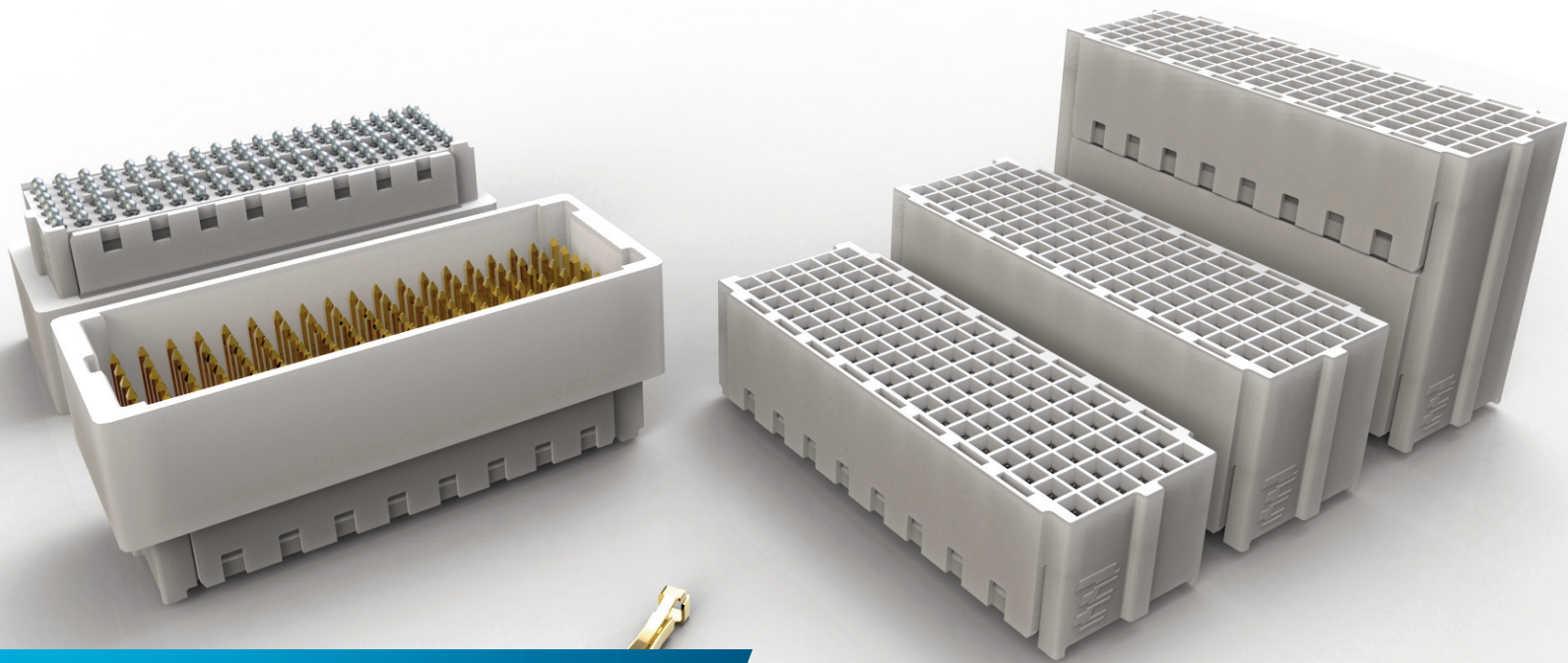




Introducing Mezalok Connector

*(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

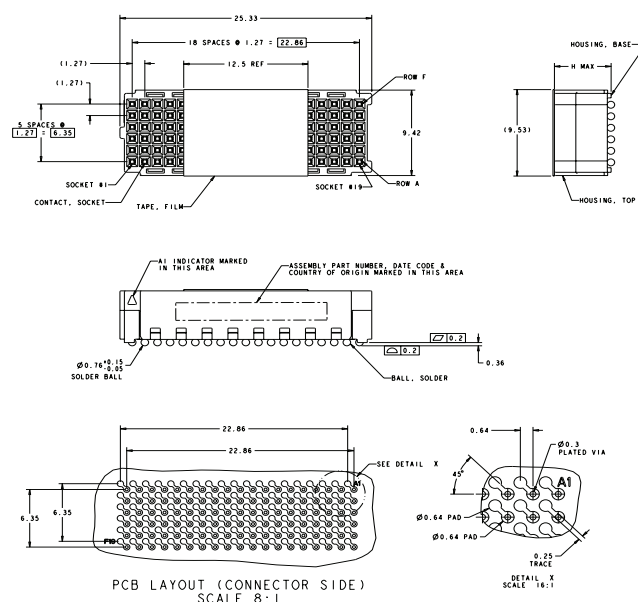
APPLICATION TOOLING

Product is installed via standard BGA surface mount processes.



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

Socket — 2102061



FOR MORE INFORMATION

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