

FOR MORE INFORMATION

Technical Support

Internet:	www.te.com/ADM
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

Follow us on Twitter for all the latest product news
@TEConnectivity, and on Facebook, TEConnectivity.

www.te.com/ADM

© 2012 and 2014 Tyco Electronics Corporation. All Rights Reserved.

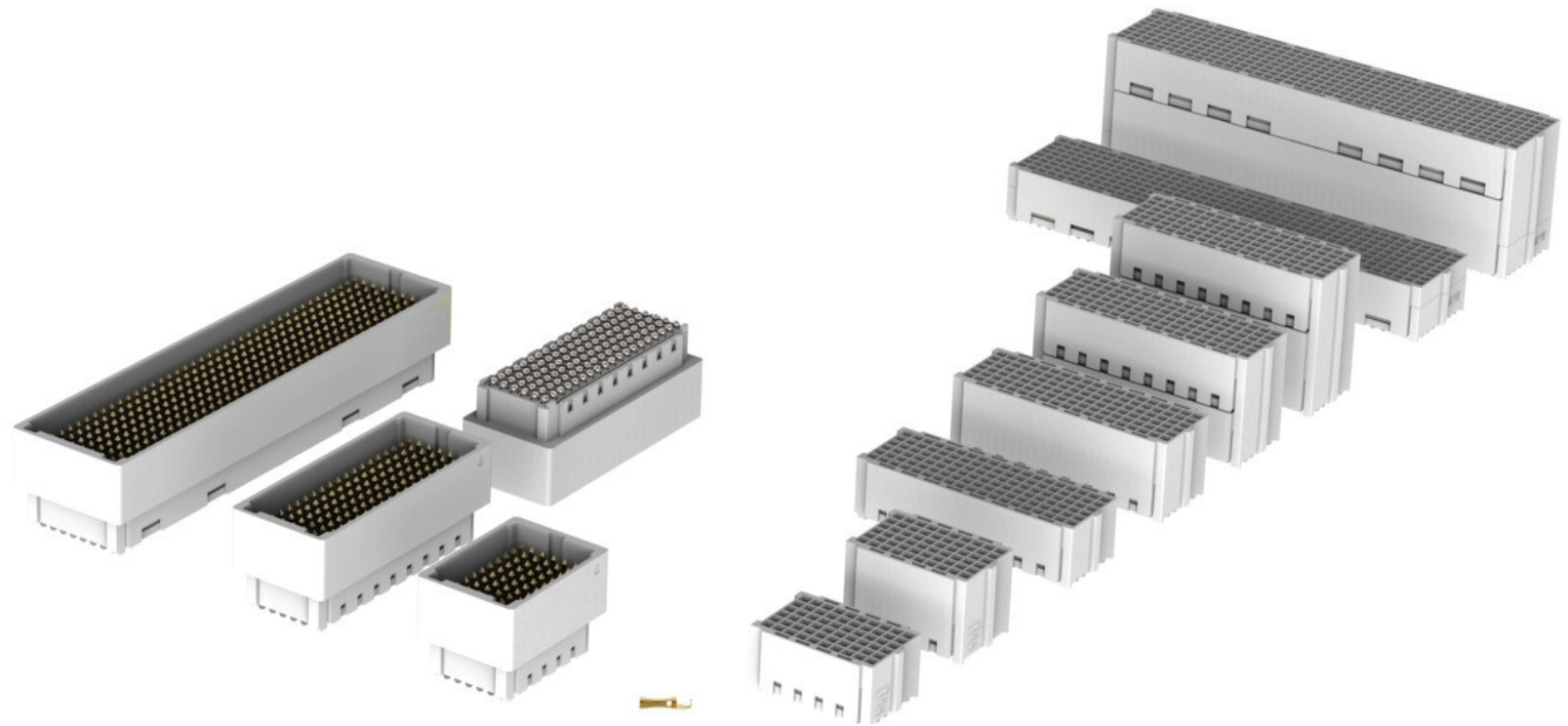
2-1773457-3 ADM/RRD 2.5M 03/2014

Mezalok, TE Connectivity, and the TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies.

Other products, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information herein, nothing herein constitutes any guarantee that such information is error-free, or any other representation, warranty or guarantee that the information is accurate, correct, reliable current. The TE entity issuing this publication reserves the right to make any adjustments to the information contained herein at any time without notice. All implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose are expressly disclaimed. The dimensions herein are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.





Mezalok Connector

(High Reliability Mezzanine Connector)



Mezalok Connector



Flexibility

Stack height available in 10, 12, 15 and 18 mm

114 position footprint compatible to XMC footprint and all dimensional constraints

Reliability

Mini-Box contact system provides 4 points of contact for high reliability

Stability

High temperature thermoplastic 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 “quad-redundant” Mini-Box contact system for separable interface.

Available in 60, 114 and 320 positions with stack heights options 10, 12, 15 and 18 mm.

APPLICATIONS

Stacking or mezzanine applications for rugged embedded computing,

114 position supports VITA 61 XMC architecture as rugged, high speed alternative to VITA 42 XMC

ELECTRICAL

Supports data rates up to 10+ Gb/s

Pins can be allocated for single-ended or differential signal

MECHANICAL

500 mating cycles durability

Mating force: Maximum of 0.30 lbs per contact

-65°C to +125°C operating temperature

Shock and vibration per VITA 47 and 72 Halt Test requirements

MATERIALS

Pin Assembly: LCP housings, white in color

Socket Assembly: LCP housings, white in color

Contacts: High Performance Copper Alloy, 30 and 50µ Au in mating interface (Sn/Pb and SAC405 solder balls are available)

STANDARDS & SPECS

114 position is compliant to VITA 61

VITA 42 and VITA 61 are not intermateable, but are footprint and XMC architecture compatible

Application specification: 114-13279

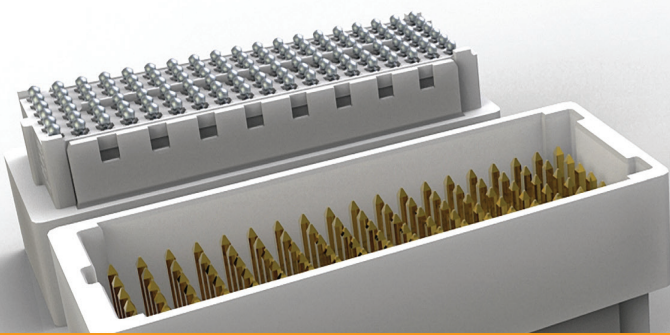
Product specification: 108-2411

Test Report: 501-736

APPLICATION TOOLING

Product is installed via standard BGA surface mount processes.

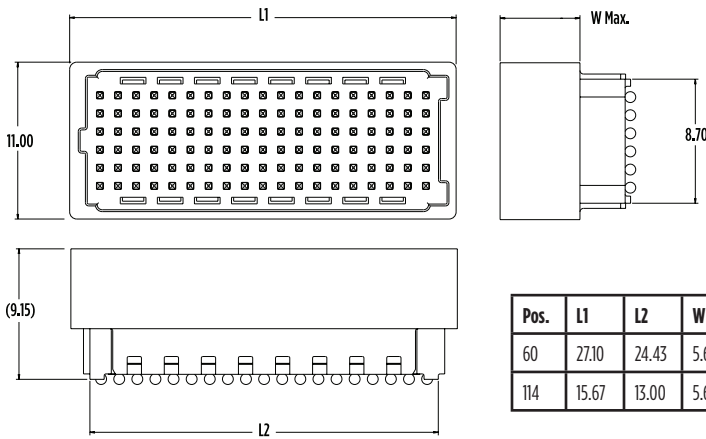
Mezalok Connector



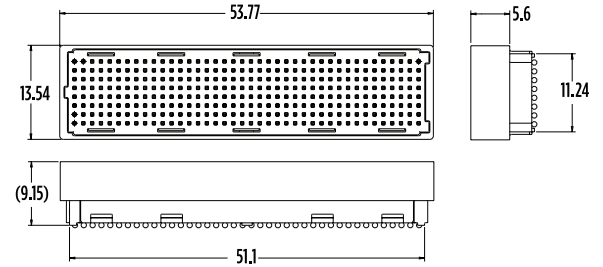
Mini-box contact

Position Size	Connector and Stack Height (mm)		50 Microinch Gold Mating Interface		30 Microinch Gold Mating Interface	
			Tin-Lead BGA	Lead Free BGA	Tin-Lead BGA	Lead Free BGA
60	Pin connector		2102079-1	2102079-2	2102079-3	2102079-4
	Socket Connector	10	2102080-1	2102080-2	2102080-5	2102080-6
		12	2102080-3	2102080-4	2102080-7	2102080-8
		18	2102080-9	1-2102080-0	1-2102080-1	1-2102080-2
114	Pin Connector		2102060-1	2102060-2	2102060-3	2102060-4
	Socket Connector	10	2102061-1	2102061-2	2102061-5	2102061-6
		12	2102061-3	2102061-4	2102061-7	2102061-8
		15	1-2102061-3	1-2102061-4	1-2102061-5	1-2102061-6
		18	2102061-9	1-2102061-0	1-2102061-1	1-2102061-2
320	Pin Connector		2102429-1	2102429-2	2102429-3	2102429-4
	Socket Connector	10	2102430-1	2102430-2	2102430-5	2102430-6
			18	2102430-9	1-2102430-0	1-2102430-1

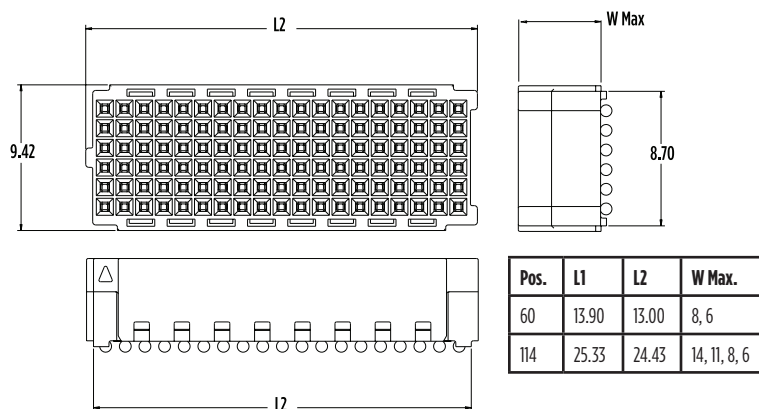
Pin — 60 position & 114 position



320 position



Socket — 60 position & 114 position



320 position

