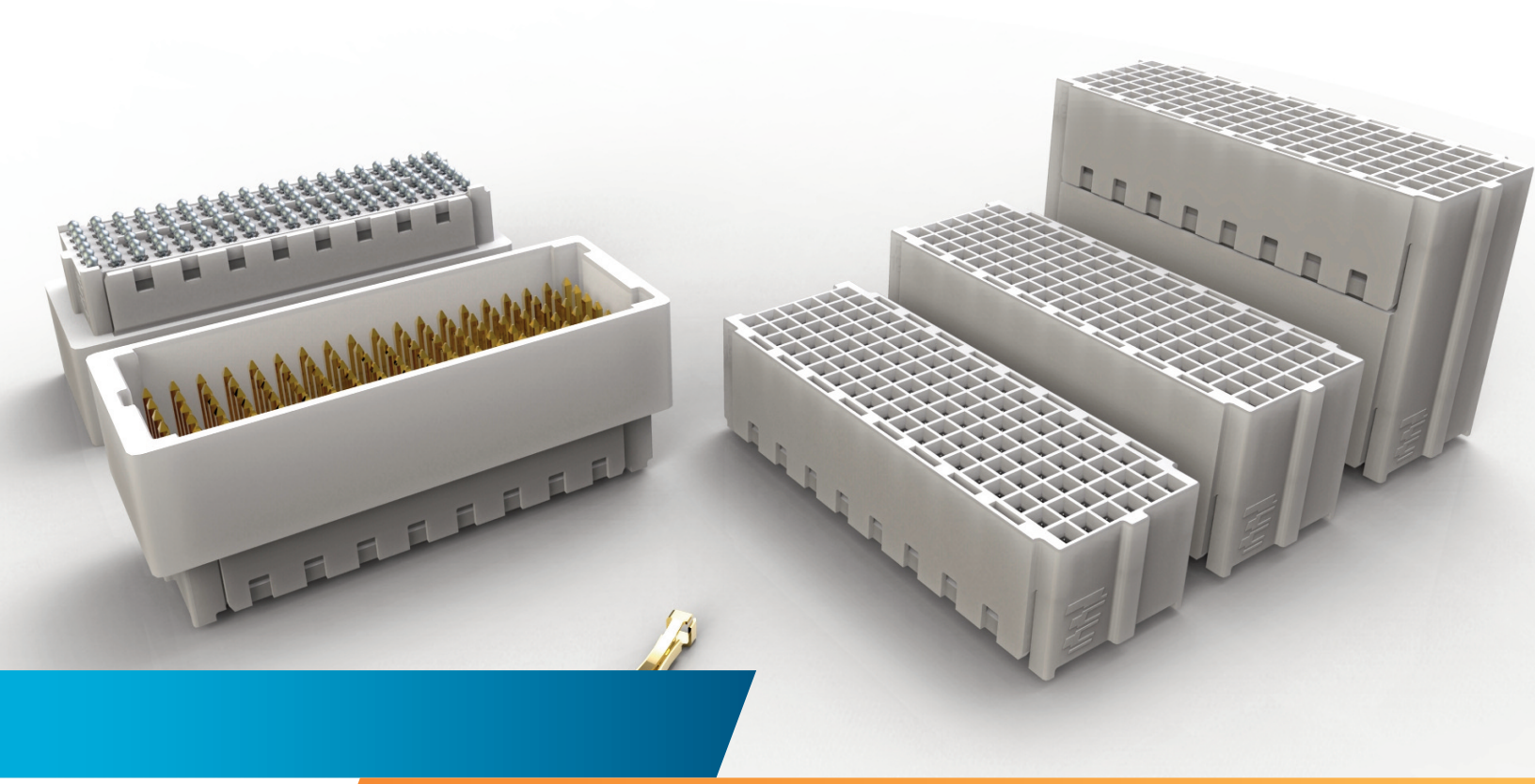


Introducing

Mezalok Connector

(High Reliability Mezzanine Connector)

Tyco Electronics

Our commitment. Your advantage.

Mezalok Connector

Tyco Electronics
Our commitment. Your advantage.

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 foot-print 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

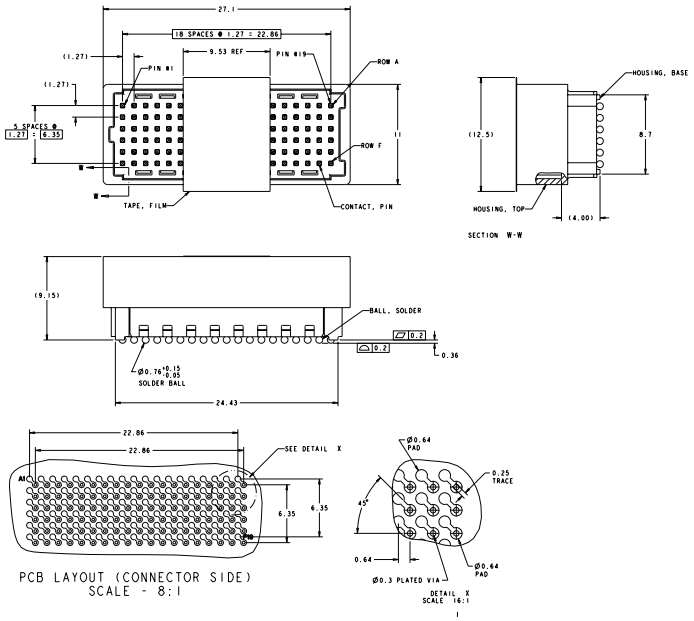
Product is installed via standard BGA surface mount processes.

ORDERING INFORMATION

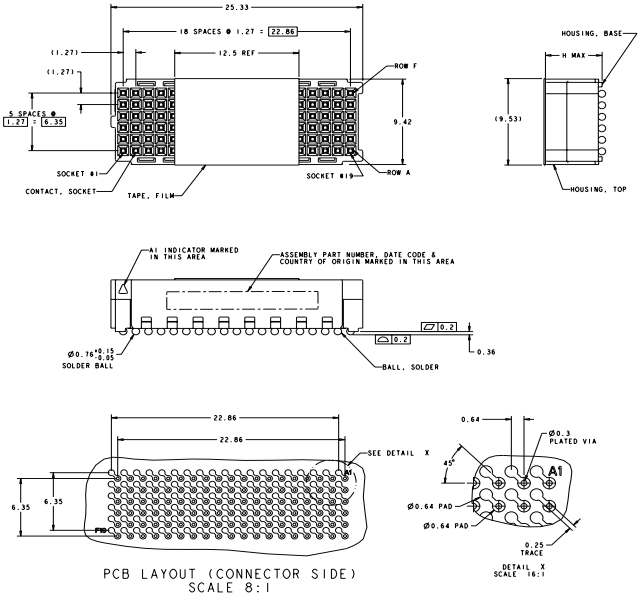
4 pin contact

Part Number	Description
114 Position:	
2102060-1	Assembly, pin housing, tin-lead, 1.27 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

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.

Tyco Electronics

Our commitment. Your advantage.

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9