

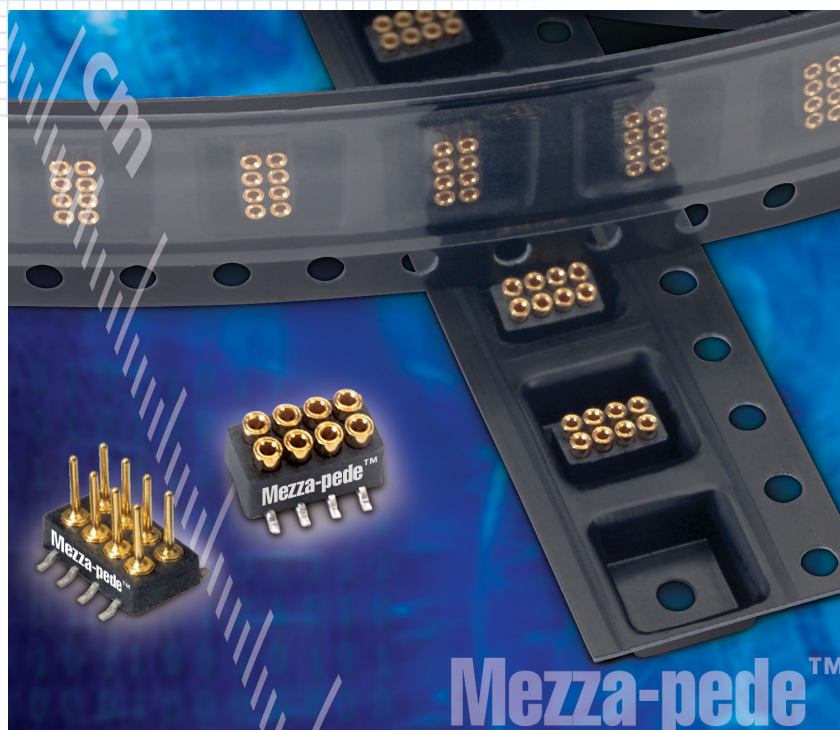
Mezza-pede® Low Profile 1.0mm Pitch SMT Connectors



www.advanced.com

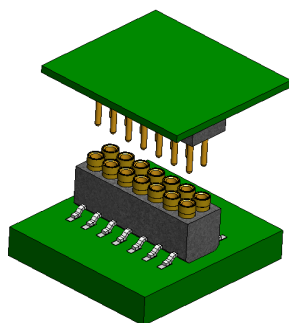
Mezza-pede® low profile 1.0mm pitch SMT Connectors from Advanced are designed for board-to-board or cable-to-board applications where long-term reliability is required.

With Advanced's enclosed screw-machined socket, 6-finger contact and heavy gold plating, Mezza-pede Connectors pass the 20-day mixed flowing gas (MFG) test required in many telecom and other severe environment and long-life applications. Our over-molded lead frame seals the surface mount leads to prevent solder wicking, ensuring a secure solder joint. The low 4mm stack height makes it ideal for tight mezzanine packaging applications.

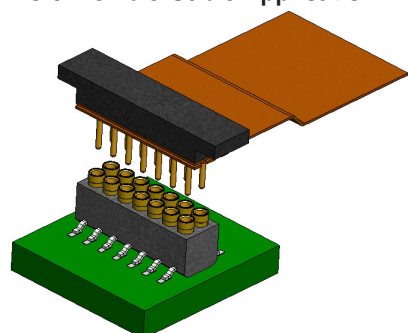


How It Works

SMT Board to Board Application



Thru-hole Flexible Cable Application*



*Thru-hole version is solderable to flex cable for cable-to-board applications (customer supplied stiffener recommended).

Features

- For high density (1.0mm pitch) & low profile board-to-board or cable-to-board applications
- Robust screw-machined terminals for long-term reliability
- Board to board stack height of only 4mm – suitable for mezzanine applications where Z-axis space is limited
- Patented SMT lead frame and pin design prevents solder wicking, providing the highest quality solder joint
- Precision molded from high temperature LCP, the RoHS compliant connectors are compatible with lead-free solder profiles
- Enclosed screw-machined socket, superior 6-finger contact and heavy gold plating for stringent requirements (i.e. passes MFG test) of telecom and other severe environment and long-life applications
- SMT or thru-hole terminations
- Dual row configurations include 8, 14 or 36 total positions with other pin counts available on a customized basis
- Shrouding and polarizing features available on a customized basis

TYPICAL APPLICATIONS

- Industry standard Tunable Laser power connector
- Signal connector
- Low profile mezzanine board connector



ADVANCED
INTERCONNECTIONS®

5 Energy Way, West Warwick, Rhode Island 02893 USA
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E-mail: info@advanced.com | Web: www.advanced.com

Mezza-pede® Low Profile 1.0mm Pitch SMT Connectors



Performance

Mating Force

2.5 lbs. (14 pos. assembly)

Extraction Force

2.2 lbs. (14 pos. assembly)

Durability

100 cycles

Contact Resistance

10 milliohm maximum change after testing

Current Carrying Capacity

1.1 A @ 80°C ambient

Mixed Flowing Gas (MFG)

Passed, 20-Day
(with GH plating)

Operating Temperature Range

-55°C to +125°C

For additional performance data, please
visit our website at www.advanced.com.

Specifications

Mated Height

0.157/(4.0mm) approx. (DHS/DHAM)

0.122/(3.1mm) approx. (DHS/DHA)

Insulators

DHS/DHAM: Liquid Crystal Polymer (LCP),
U.L. Rated 94V-0

DHA: Polyimide Film, U.L. Rated 94V-0

Terminals

Brass - Copper Alloy (C36000) ASTM-B-16

Contacts

Beryllium Copper (C17200) ASTM-B-194

SMT Leads

Beryllium Copper (C17200) ASTM-B-194

Plating

G - Gold over Nickel

GH - Heavy Gold over Nickel

M - Matte Tin over Nickel (*Leads only*)

Gold per ASTM-B-488

Matte Tin per ASTM545-97

Nickel per QQ-N-290

Packaging

DHS is supplied in tape and reel packaging.

DHAM is supplied with pick-and-place cover in
tape and reel packaging.

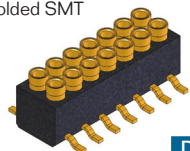
DHA is supplied in standard trays (not suitable
for pick-and-place processes).

Table of Models

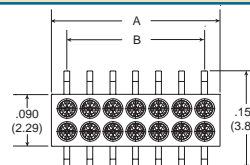
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FEMALE CONNECTORS (SOCKETS)

Molded SMT

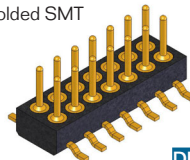


DHS

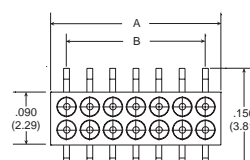


MALE CONNECTORS (HEADERS)

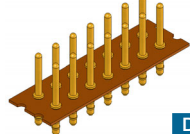
Molded SMT



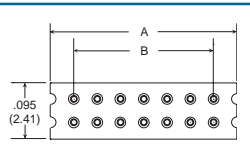
DHAM



Flexible Thru-Hole



DHA

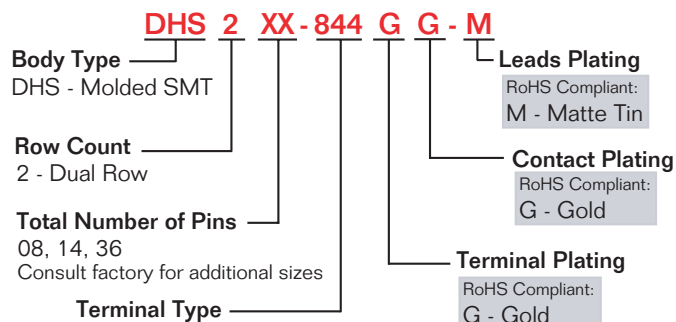


Model	Pin Count	Rows	A	B
DHS/DHAM	8 pos.	2 X 4	.171/(4.34)	.118/(3.00)
DHS/DHAM	14 pos.	2 X 7	.290/(7.36)	.236/(6.00)
DHS/DHAM	36 pos.	2 X 18	.722/(18.34)	.669/(17.00)
DHA	8 pos.	2 X 4	.197/(5.00)	.118/(3.00)
DHA	14 pos.	2 X 7	.315/(8.00)	.236/(6.00)
DHA	36 pos.	2 X 18	.748/(19.00)	.669/(17.00)

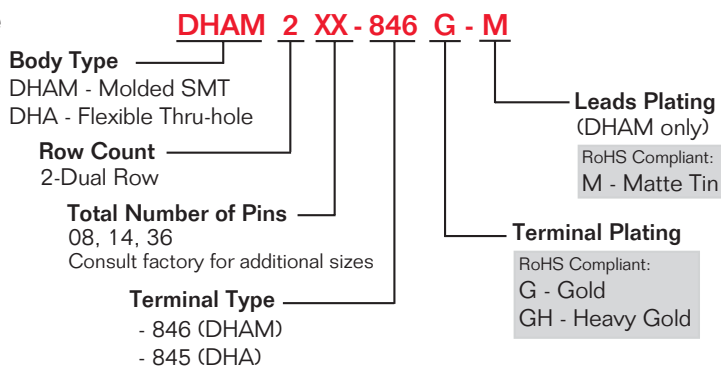
inch/(mm)

How To Order

Female



Male



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