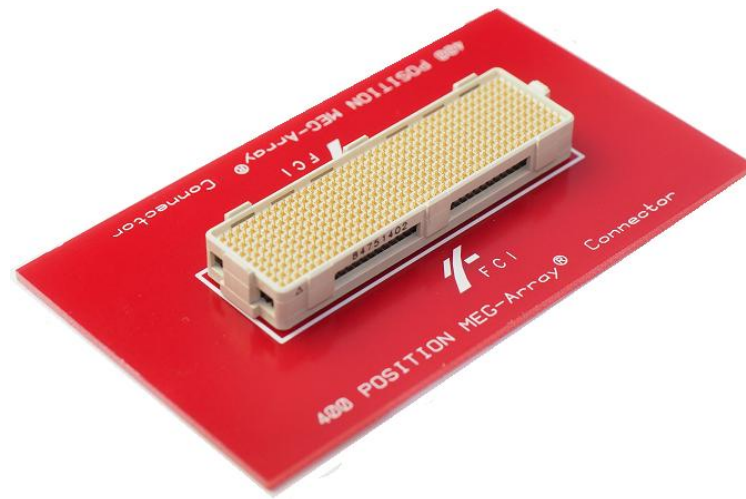




# MEG-Array<sup>®</sup> High Speed Mezzanine Connector

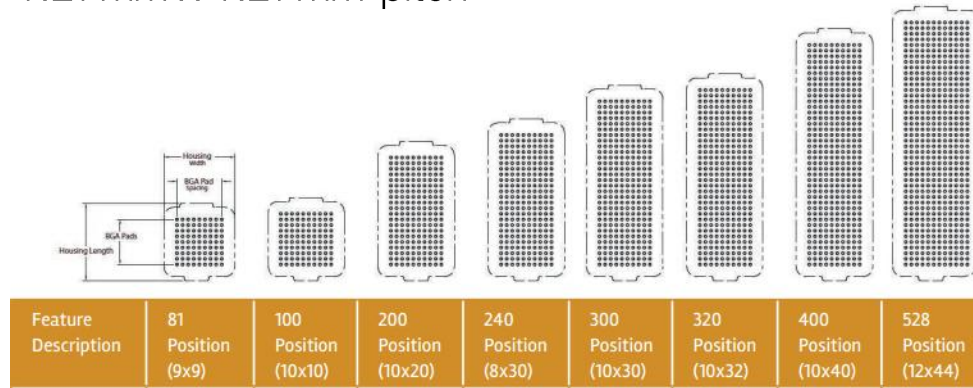
## Product Presentation



# MEG-Array<sup>®</sup> = A Versatile Platform

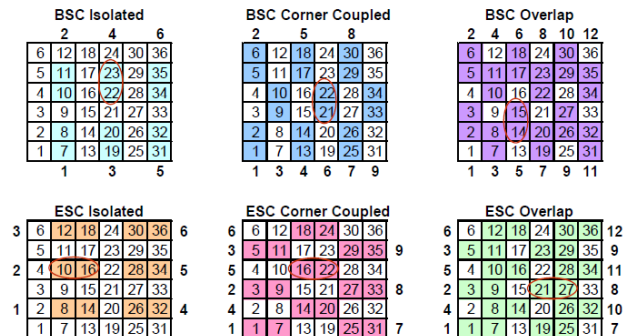
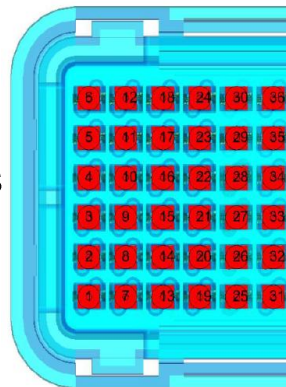


- 3.5mm - 14mm, 81-528 position, open pin design
- 400 contacts per in<sup>2</sup> / 71 contacts per cm<sup>2</sup>
- 1.27mm x 1.27mm pitch



Plating: 15, 30, 50 GXT or Gold Durability: 50, 100, or 200 Cycles Available in Pb-Free & Be-Free

Flexibility and Options



# MEG-Array® = A Trusted Design



- Proven Patented BGA Design
  - Demonstrated > 22 Years Life (IPC-9701) Solder Joint Reliability
- Tested to Telcordia GR-1217-CORE and NPS-25298-2 (25 year life)
- Terminal Design Provides 2-Points of Contact for Reliability
- Provides up to 28G/bps Electrical Performance
  - Meets OIF CEI-28G-SR

## Typical Markets / Applications

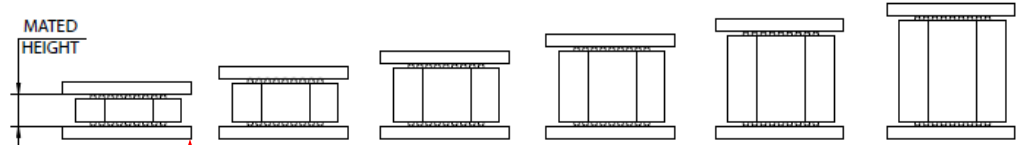
- Communications and Data Embedded
- Data Servers and Storage
- Industrial Controls and Equipment
- LED Systems
- Medical Instrumentation
- Military Electronics
- Navigation Electronics
- Network Diagnostics
- Point-of-Sale and Gaming
- Rugged Handheld Equipment
- Test and Measurement Electronics


# MEG-Array<sup>®</sup> = A Proven Process



- High Volume / Fully Automated / USA Production
  - 15+ yrs of High Volume Production,
    - 20+ Billion Lines Shipped to Customer Satisfaction
  - ISO 8 Class Clean Room for 5 Molding Presses
  - 18 Assembly Lines with Auto Feeding Tools
  
- In-Process Vision Inspection & Quality Controls
  - 100% Verification of Terminal and BGA Presence
  - 100% Laser Inspection for Coplanarity
  - 100% Verification of Terminal Placement : X, Y, & Gap
  
- Additional Reliability Testing\* at the PCB Interface
  - Passed 1000 Thermal Cycles -40C To +85C
  - Passed 1000 Thermal Cycles -25C To +100C
  - \*Testing conducted by independent laboratory

# MEG-Array® = Many Configurations

Size	Type	4.0mm 	6.0mm	8.0mm	10.0mm	12.0mm	14.0mm
81 Position (9x9)	Plug	55714 0mm					
	Receptacle	55715 4mm					
100 Position (10x10)	Plug	84512 0mm					
	Receptacle	84513 4mm					
200 Position (10x20)	Plug	84516 0mm	84516 0mm	84516 0mm	84530 6mm	84530 6mm	84530 6mm
	Receptacle	84517 4mm	55724 6mm	84535 8mm	84517 4mm	55724 6mm	84535 8mm
240 Position (8x30)	Plug	74213 0mm	74213 0mm				
	Receptacle	74217 4mm	55755 6mm				
300 Position (10x30)	Plug	84500 0mm	84500 0mm	84500 0mm	84578 6mm	84578 6mm	84578 6mm
	Receptacle	84501 4mm	84502 5.5mm (5.5mm)	84553 8mm	84501 4mm	84502 5.5mm (11.5mm)	84553 8mm
320 Position (10x32)	Plug	10123981 0mm					
	Receptacle	10123982 4mm					
400 Position (10x40)	Plug	84740 0mm	84740 0mm	84740 0mm	84520 6mm	84520 6mm	84520 6mm
	Receptacle	74221 4mm	74388 6mm	74390 8mm	74221 4mm	74388 6mm	74390 8mm
528 Position (12x44)	Plug		10022671 0mm				
	Receptacle		10026846 6mm				



All 4mm product now available in 3.5mm. Solder ball change only, no change to housing or terminals.

# Questions?



Contact your local FCI Sales Representative, FAE, or:

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**THANK YOU**

