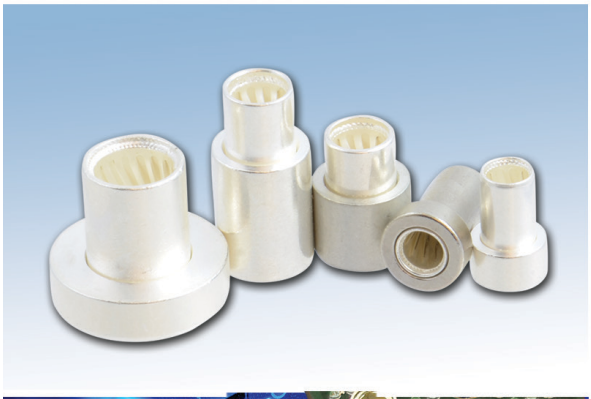
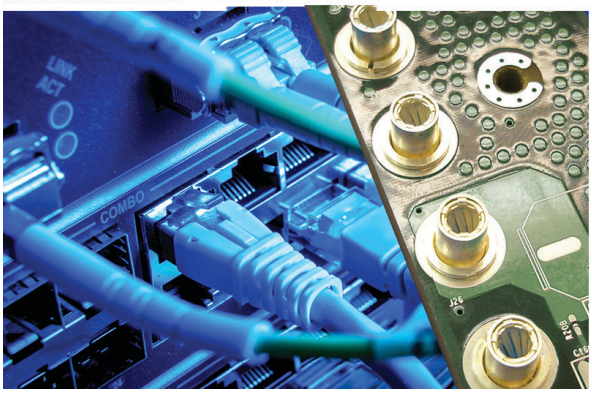
Amphenol®





RADSOK® SMT RADSERT™

Amphenol's RADSOK® enabled SMT RADSERT™ provides a versatile interconnect for high current/high power board to board mezzanine applications. The SMT RADSERT™ is ideal for bringing power to the board from mezzanine cards or busbars suspended above the board. Custom board stack heights are easily accommodated.

RADSERT™ interconnects are low profile, single point, high current contacts that can be applied to a PCB or busbar. Also available with "Super Twist" technology for enhanced lead in and radial mis-alignment tolerance to accommodate multiple mating positions or blind mate applications. RADSERT™ termination options include SMT, knurl "Press-fit" or wave solder with a current carrying capability up to 200A.

Features:

- The SMT RADSERT™ is preferred for PCB applications for efficient current transmission and ease of application
- High power to board interconnect in a small package
- Perfect for mezzanine applications
- RADSOK® R4 hyperbolic socket design ensures many points of contact
- The SMT RADSERT™ is compatible with standard surface mount board fabrication processes
- RADSERT™ 2.4mm (35A), 3.0mm (60A), 3.6mm (70A), 5.7mm (120A) & 8.0mm (200A)
- No special crimp tools required
- No threaded fasteners
- Faster through-put
- RoHS compliant

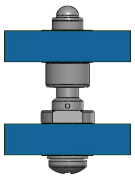
The **SMT RADSERT™** is a versatile, low profile, single point, high current contact that can be applied to a PCB or busbar

"Super Twist" (ST) SMT RADSERT™ with enhanced lead in and mis-alignment tolerance is available to handle multiple power entry locations and blind mate applications.

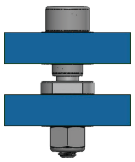
Custom sizes are easily configured for specific applications.

SMT RADSERT™

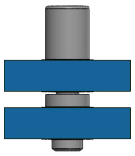
Super Twist	Thru board SMT RADSOK®	Above board SMT RADSOK®
2.4mm	10-737490-001	10-737495-001
3.0mm	10-737491-001	10-737496-001
3.6mm	10-737492-001	10-737497-001
5.7mm	10-737493-001	10-737498-001
8.0mm	10-737494-001	10-737499-001



Female Screw Pin



Male Screw Pin



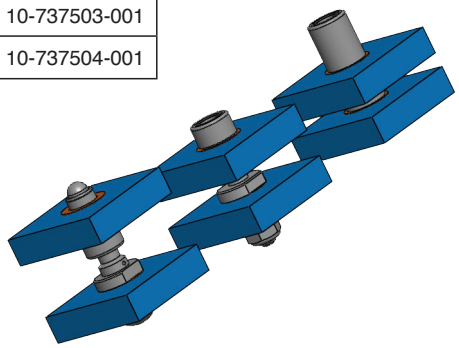
Solder Pin

Bus Bar Knurled RADSERT™

***Not for PCB use**

Super Twist	
2.4mm	10-737500-001
3.0mm	10-737501-001
3.6mm	10-737502-001
5.7mm	10-737503-001
8.0mm	10-737504-001

Changing the collar height easily adjusts to a different PCB Distance



SMT RADSERT™ mating pin options

Custom sizes are easily configured for specific applications.

Male Pins

Super Twist	Female thread	Male thread	Knurl Press fit	Crimp Pin
2.4mm	10-737395-095	10-737401-095	10-737407-095	10-737413-095
3.0mm	10-737396-138	10-737402-138	10-737408-138	10-737414-138
3.6mm	10-737397-153	10-737403-153	10-737409-153	10-737415-153
5.7mm	10-737398-178	10-737404-178	10-737410-178	10-737416-178
6.0mm	10-737399-243	10-737405-243	10-737411-243	10-737417-243
8.0mm	10-737400-245	10-737406-245	10-737412-245	10-737418-245

XXX **The last 3 digits (-xxx) of the pn denote the length of the pin**
Example: use 10-737395-205 for a 20.5mm long pin
**Custom thread lengths are available upon request*

RADSOK® Crimp Receptacle Contacts

Non Super Twist	Crimp RADSOK®	Wire AWG	mm²
2.4mm	10-737419-001	12	2.5
3.0mm	10-737420-001	10	6
3.6mm	10-737421-001	8	10
5.7mm	10-737422-001	4	25
6.0mm	10-737423-001	4	35
8.0mm	10-737424-001	1/0	50

***Other configurations are available upon request**

For further information on your individual application requirements, contact: Amphenol Corporation

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