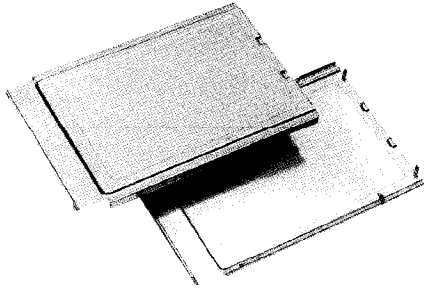


Covers



- Type II, as defined in PCMCIA Specifications
- Snap-on design zips along both sides with tabs at ends
- Tabs at ends locate in moldings
- Incorporates two ESD grounding tabs for contact to the customer's pcb
- ESD tabs located close to I/O connector for optimum shielding effectiveness
- Covers can be disassembled for OEM customer re-work, new cover set recommended for re-assembly
- Covers can be supplied with or without a label recess

MATERIALS AND FINISHES

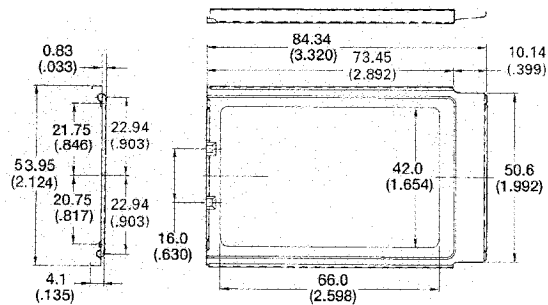
Stainless Steel (4 310), brushed finish, passivated

LABELS

Label recess size is 0.07 (.003) (nominal) deep, 66.0 (2.598) ± 0.2 (.008) long and 42.0 (1.654) ± 0.2 (.008) wide

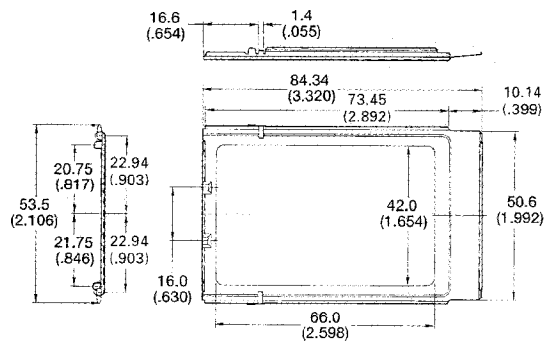
Label type recommended is mylar, (0.001" thick) with acrylic permanent adhesive (0.0005" thick)

Label size recommended is maximum 65.7 (2.587) by 41.7 (1.642)



Bottom Cover

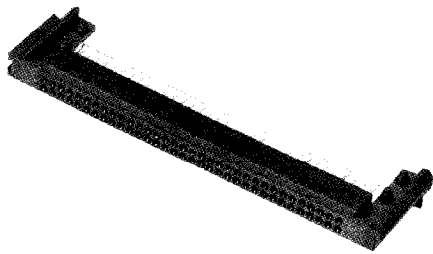
P/N 039-8510-001



Top Cover

P/N 039-8510-000

68 Pin Connector



- Meets PCMCIA Release 2.01 connector requirements
- Single-side, single-row, surface-mount tails/ 0.1 (.004) thick by 0.25 (.010) wide
- Conforms to recommended pad footprint in PCMCIA Specification, Card Physical; fig. 3.13
- Unique alignment feature - connector to pcb
- Can be pre-assembled to pcb before reflow
- Incorporates PCMCIA card keying at ends of insulator
- Slots for positive cover set alignment
- PCB drilling gives three offsets of 0.20 (.008), 0.55 (.022), and 1.05 (.041) dia.:
- A — PCB at center line of package, assumes use of 0.4 (.016) thick pcb
- B — PCB offset so that a DAA transformer can be mounted, assumes use of 0.5 (.020) thick pcb
- C — PCB maximum offset for maximum component height, assumes use of 0.5 (.020) thick pcb

MATERIALS AND FINISHES

Connectors: High performance plastic, glass fiber reinforced (30%), flame retardant UL 94-V0 rated, color: black

Contacts: Base Material: CuBe
Finish: Nickel base with PdNi plus gold flash for contact area, solder tails SnPb 90% tin/10% lead

ELECTRICAL

500 V RMS withstanding voltage between adjacent pins

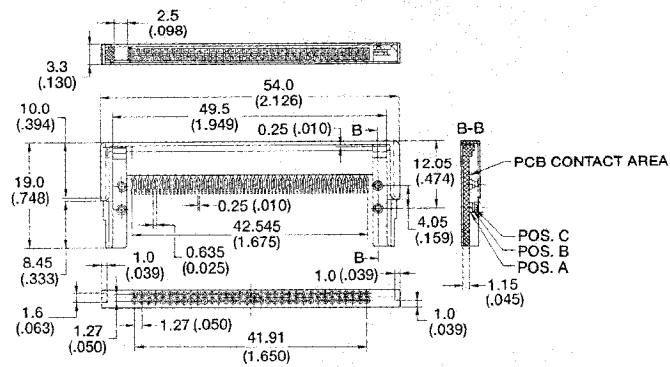
MECHANICAL

Hertzian stress of 150,000 psi minimum

Maximum IR reflow temperature is 231°C heat zone for a maximum of 5 minutes, time to cooling zone 3 minutes max

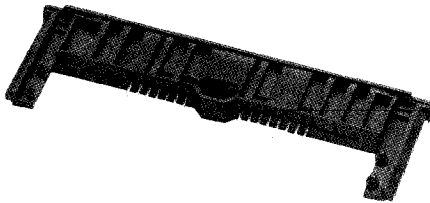
Maximum soldering temperature is 260°C for a maximum of one minute

Lead pitch is 0.635 (.025) with 0.335 (.013) spacing



PCB Offset Posi.	Diameter	Part Number
A	1.8 (.071)	SCD-KS68CA
B	1.3 (.051)	SCD-KS68CB
C	0.9 (.035)	SCD-KS68CC

I/O Connector



- Unique alignment feature - connector to pcb
- Recess provided for latching mechanism
- Connector elements follow the drawing specified in PCMCIA Specifications
- Keying is incorporated to prevent incorrect insertion, also prevents scoop of contacts
- Slots for positive cover set alignment
- Can be pre-assembled to pcb before reflow
- PCB drilling gives three offsets of 0.20 (.008), 0.55 (.022), and 1.05 (.041) dia.:
- A — PCB at center line of package, assumes use of 0.4 (.016) thick pcb
- B — PCB offset so that a DAA transformer can be mounted, assumes use of 0.5 (.020) thick pcb
- C — PCB maximum offset for maximum component height, assumes use of 0.5 (.020) thick pcb

MATERIALS AND FINISHES

Connector:	High performance plastic, glass fiber reinforced (30%), flame retardant UL 94-VO rated, color black
Contacts:	Base Material: PhBr Finish: Nickel base with PdNi plus gold flash for contact area, solder tails SnPb 90% tin/10% lead

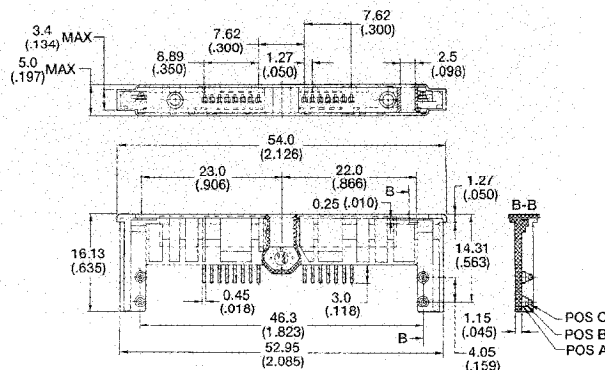
ELECTRICAL

500 V RMS withstanding voltage between adjacent pins
Withstanding voltage between pins of 500 V RMS

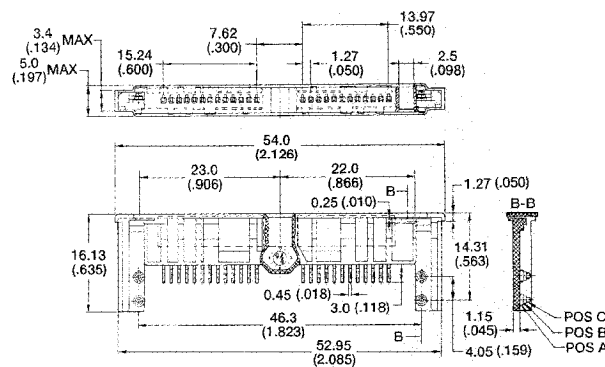
MECHANICAL

Hertzian stress of 150,000 psi minimum
Maximum IR reflow temperature is 231° C heat zone for a maximum of 5 minutes, time to cooling zone 3 minutes max
Maximum soldering temperature is 260 C for a maximum of one minute
15 position version is available with option for one or two holes, for LED's or light pipes, either side of the connector recess
Lead pitch is 1.27 (.050), spacing is 0.82 (.032), recommended pad size is 0.8 (.031) by 2.0 (.079)

15 Pin Connector



25 Pin Connector



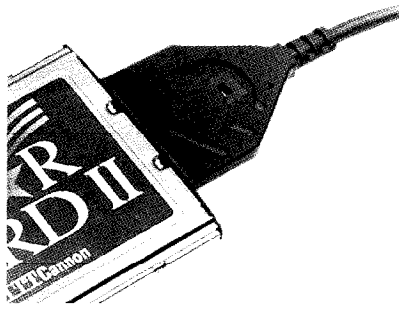
PCB Offset Posi.	Diameter	15 Pin Connector Part Number	25 Pin Connector Part Number
A	1.8 (.071)	SCD-KS15CA	SCD-KS25CA
B	1.3 (.051)	SCD-KS15CB	SCD-KS25CB
C	0.9 (.035)	SCD-KS15CC	SCD-KS25CC



Dimensions are shown in millimeters (inches).
Dimensions subject to change.

For technical assistance, price or delivery information, call your local technical sales office or distributor.

Cable Connector — Overmolded (Unshielded)



- The only selectable latch mechanism on the market
- Cable types possible:
 - Overmolded version
 - Circular 3.83 (0.151) diameter, e.g., 970-2000-221
 - Flat telecom cable 4.83 (0.19) by 2.7 (0.1) e.g., BABT cable
- Plug vertical ribs ensure correct customer plugging orientation
- Customer specific termination possible; e.g. stripped and tinned, RJ11/45, board-in, strain relief grommet.

MATERIALS AND FINISHES

Insulator:	Polyester, glass-filled, color: black
Contacts:	Material - CuBe Finish - PdNi & Au
Terminals:	Finish - SnPb
Overmolded:	Thermoplastic poly elastomeric, color: black

ELECTRICAL

Voltage rating is 500 V RMS or the cable rating, whichever is lower

Wire sizes for crimp are 28 and 30 AWG

MECHANICAL

Plug pull out force: unlatched 0.68 kg (6.66 N), latched more than 4.99 kg (48.9 N)

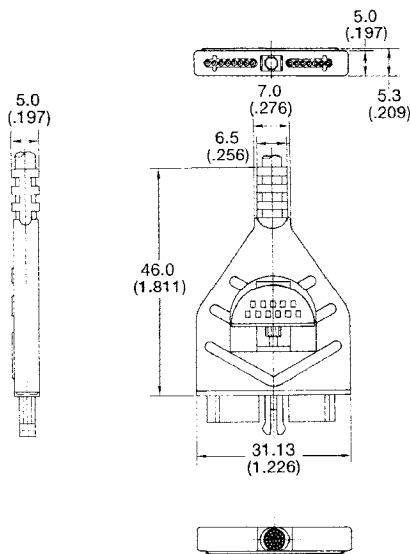
Maximum plug thickness 5.0mm ± 5% for manufacturing tolerance

Cable strain-relief: max pull force 6.35 kg (61.9 N) for 1 minute (target)

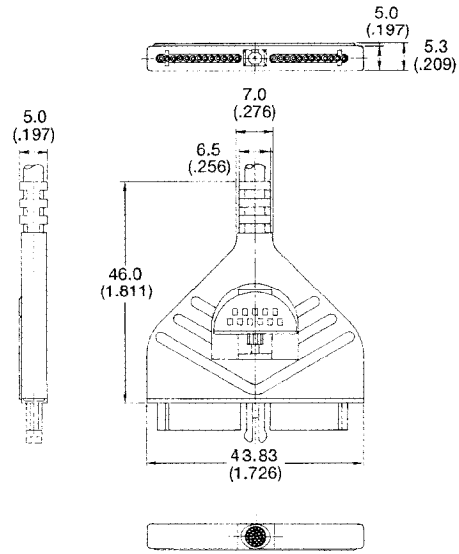
Hertzian stress of 150,000 psi minimum

15 Position

25 Position

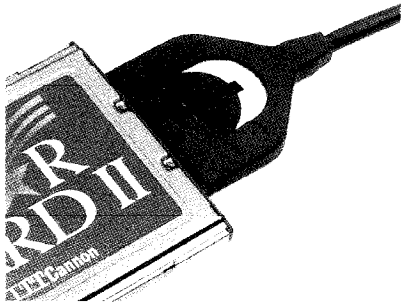


Part Number: SCD-CN15CA-001



Part Number: SCD-CN25CA-001

Cable Connector — Snap-Together (Shielded)



- The only selectable latch mechanism on the market
- Cable types possible:
 - Overmolded version
 - Circular 3.83 (0.151) diameter, e.g., 970-2000-221
 - Flat telecom cable 4.83 (0.19) by 2.7 (0.1) e.g., BABT cable
 - Shielded snap-together cover version
 - Circular cable to maximum diameter of 4.45 (0.18) (target)
 - Flat cable maximum of 4.83 (0.19) by 2.7 (0.1)
- Shield continuity through strain wire to card cover.
- Plug vertical ribs ensure correct customer plugging orientation
- Customer specific termination possible; e.g. stripped and tinned, RJ11/45, board-in, strain relief grommet.

MATERIALS AND FINISHES

Insulator:	Polyester, glass-filled; color: black
Contacts:	Material - CuBe Finish - Pd/Ni & Au
Terminals:	Finish - SnPb
Shield Can:	Snap-together metal can
Slide-Over Boot:	Material: Thermoplastic polyelastomeric; color: black

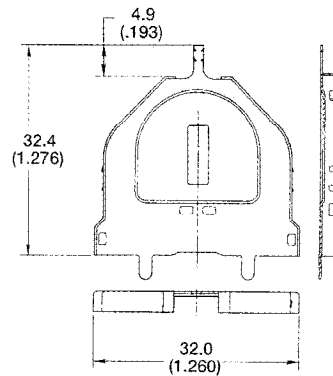
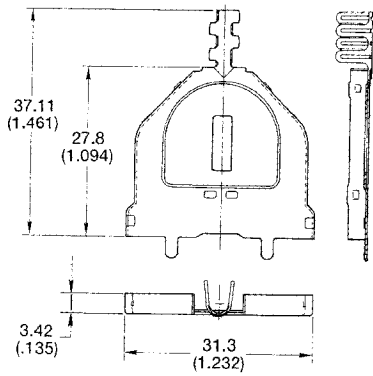
ELECTRICAL

Voltage rating is 500 V RMS or the cable rating, whichever is lower
Wire sizes for crimp are 28 and 30 AWG

MECHANICAL

Plug pull out force: unlatched 0.68 kg (6.66 N), latched more than 4.99 kg (48.9N)
Maximum plug thickness 5.0mm ± 5% for manufacturing tolerance
Cable strain-relief: max pull force 6.35 kg (61.9 N) for 1 minute (target)
Hertzian stress of 150,000 psi minimum

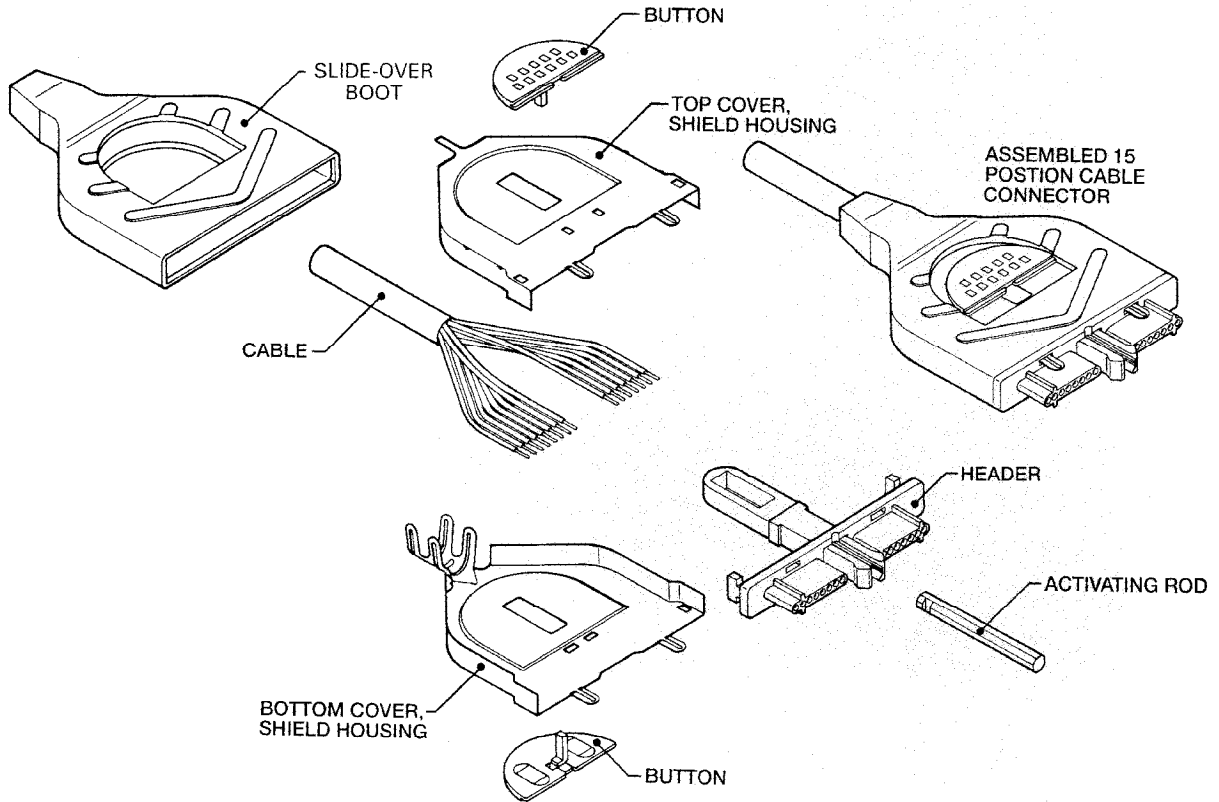
15 Position



Part Number SCD-CS15CD-001

Cable Connector — Snap-Together (Shielded)

Assembly Sequence

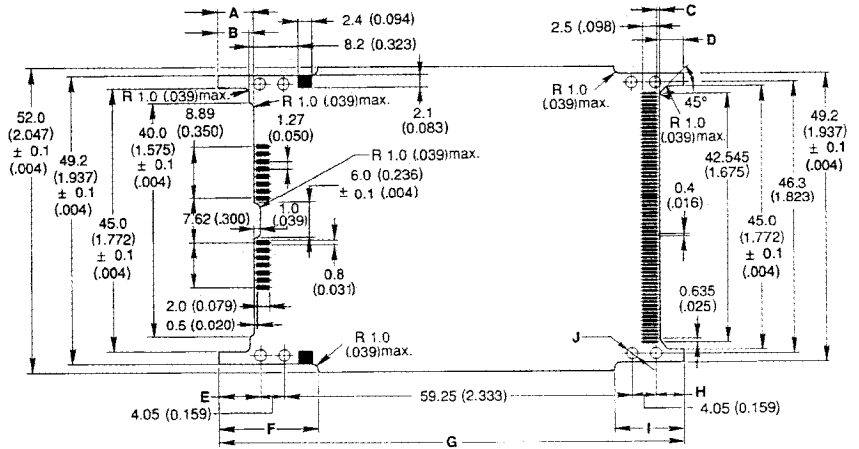


Recommended PCB Dimensions

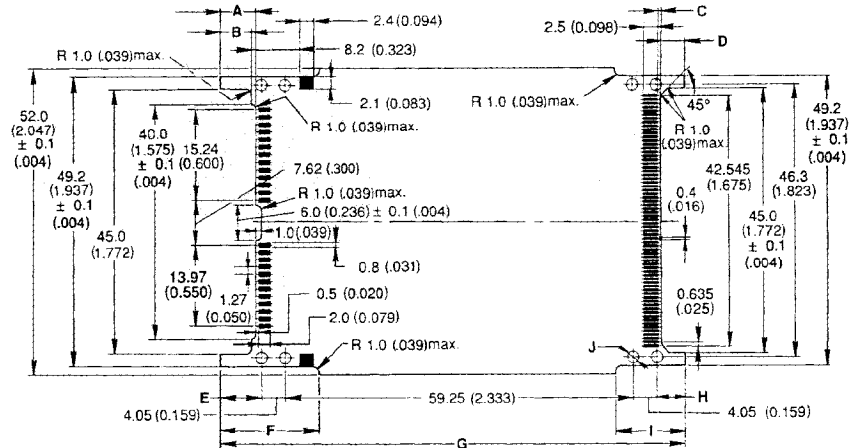
(Customer Supplied)

PCB maximum width 52 (2.047) wide, 79 (3.110) long (excluding lands at each connector side for support)

15 Position

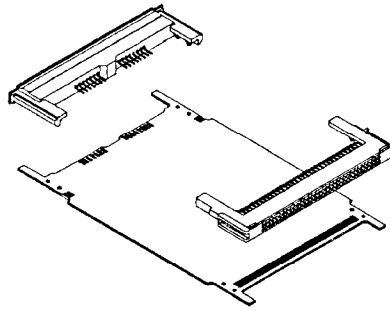


25 Position

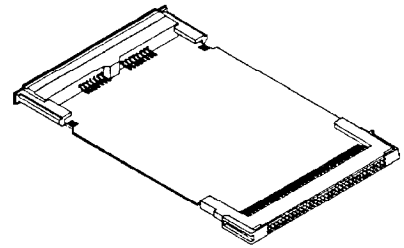


PCB Offset Posi.	A ± 0.1 (.004)	B	C	D	E ± 0.1 (.004)	F ± 0.1 (.004)	G	H ± 0.1 (.004)	I ± 0.1 (.004)	J ± 0.03 (.001)
A	6.1 (.240)	5.4 (.213)	0.5 (.020)	4.1 (.161)	7.1 (.280)	16.9 (.665)	79.3 (3.122)	4.85 (.191)	16.9 (.665)	1.9 (.075)
B	7.1 (.280)	6.4 (.252)	1.2 (.047)	4.4 (.173)	8.1 (.319)	17.9 (.705)	81.3 (3.201)	5.85 (.230)	17.9 (.705)	1.4 (.055)
C	8.1 (.319)	7.4 (.291)	1.2 (.047)	5.0 (.197)	9.1 (.358)	18.9 (.744)	82.9 (3.264)	6.45 (.254)	18.5 (.728)	1.0 (.039)

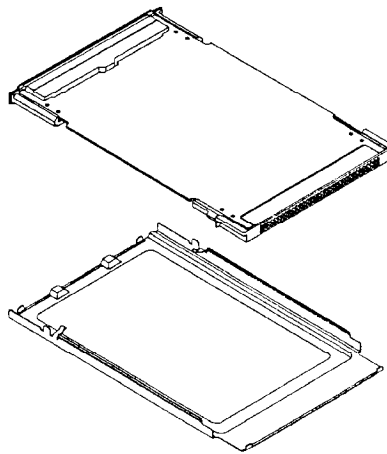
Assembly Instructions



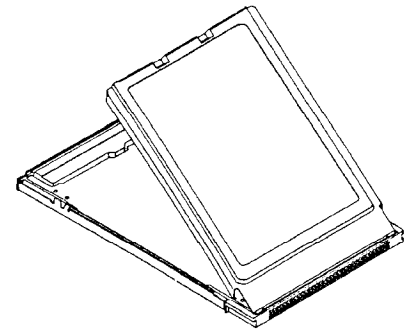
① PC board is pre-assembled with both connectors



② PC board is loaded with other components and passed through reflow process



③ Place pc board assembly in bottom cover half



④ Position top cover with metal tabs into slot of 68 pin connector. Close card with soft pressure along the length of cover edges to complete assembly.