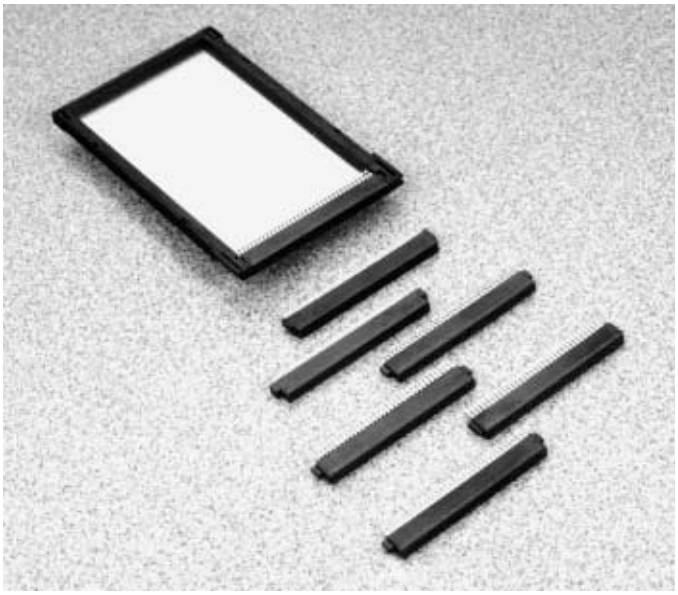
68 Position PC Card Receptacles



Methode's 68 position receptacles are PCMCIA and JEIDA compatible and are available in straddle mount and single sided surface mount configurations. The independent dual beam contact design insures extended reliability, redundant electrical contact and consistent mechanical performance.

- Meets PC Card standards
- Durable contact design withstands repeated card insertions in excess of 10,000 cycles
- Flexible contact tail forming tool offers alternatives for custom applications
- Unique mold design offers flexibility to customize mounting configurations
- Materials are compatible with high temperature soldering processes

Specifications

Materials

Contact Material: Copper alloy
Contact Plating: Gold flash over 40 micro inch minimum PdNi in contact area over low stress nickel over all. 100 micro inch minimum 60/40 Sn/Pb in tail area.
Insulator Material: LCP 94V-0 rated high temperature thermoplastic
Operating Temperature: -55°C to +85°C

Mechanical Performance

Durability: 10,000 cycles
Insertion Force: 6.0 lbs (2.7 Kg) max.
Withdrawal Force: 10 grams min. per contact

Electrical Performance

Current Rating: 0.5 A DC
Contact Resistance: 40 milliohms (initial)
D resistance £ 20 milliohms (final)
Dielectric Strength: 500 V AC for 1 minute

SERIES 952, 953, AND 957 RECEPTACLE P/N

95X-XX-68SMXX-90-XX

PACKAGING
TR = TAPE AND REEL (OPTIONAL)

TAIL STYLE
(see pages 9 thru 12)

MOUNTING EAR STYLE
(see page 14)

SERIES
2 = .236" HIGH W/O STANDOFF
3 = .260" HIGH WITH STANDOFF

Note: *Consult factory for other tail styles and other ear configurations*

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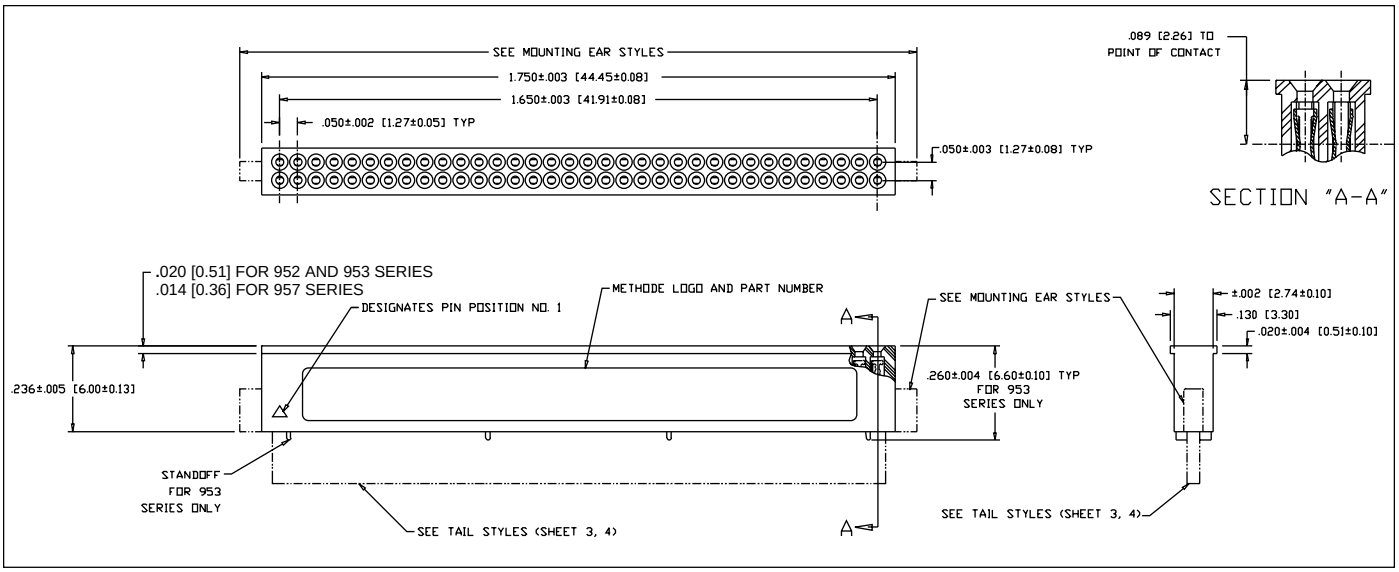
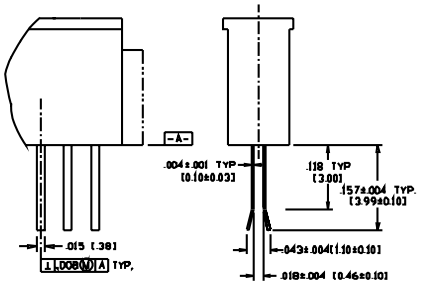
68 Position Series 952, 953 & 957
PC Card Receptacle Body and Tail Styles

Receptacle Body

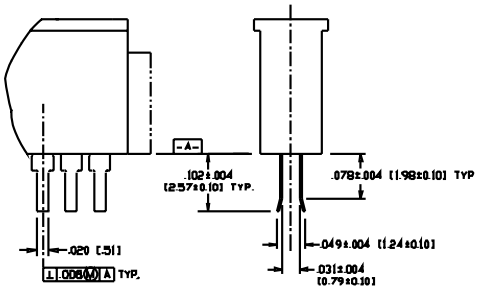


Tail Styles

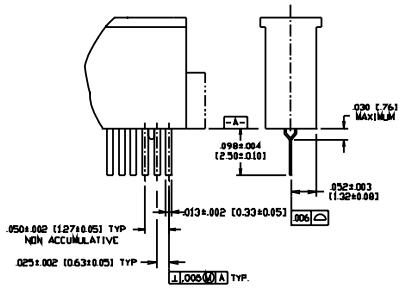
Tail Style 01 - Center PCB placement
See PC Board Layout -03



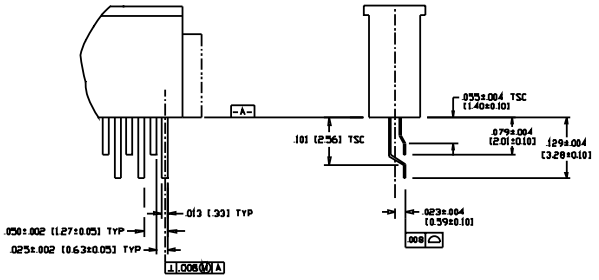
Tail Style 04 - ***See PC Board Layout -03***



Tail Style 05 - In-line tails
See PC Board Layout -01



Tail Style 08 - ***See PC Board Layout -02***



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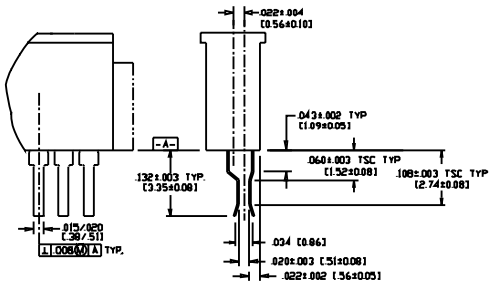
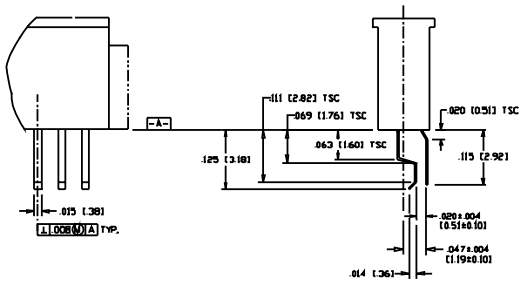
68 Position PC Card Receptacle Tail Styles

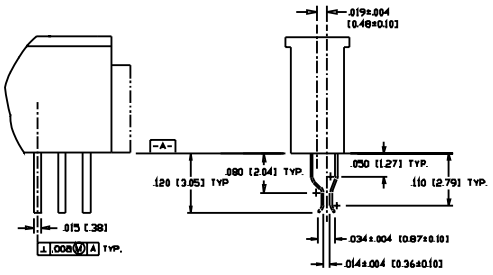
Tail Style 09 - ***See PC Board Layout -03***



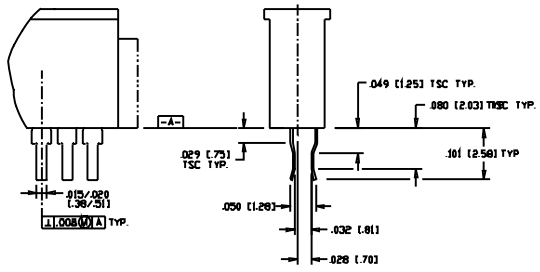
Tail Style 10 - Offset PCB Placement
See PC Board Layout -03



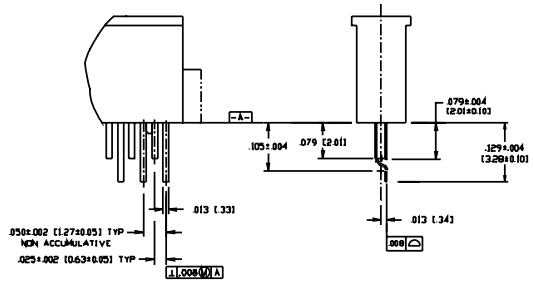
Tail Style 11 - Offset PCB Placement
See PC Board Layout -03



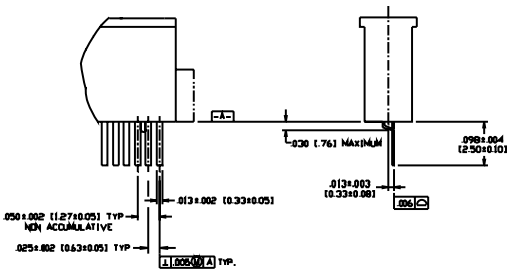
Tail Style 13 - ***See PC Board Layout -03***



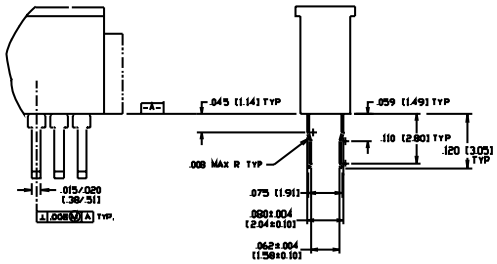
Tail Style 14 - ***See PC Board Layout -02***



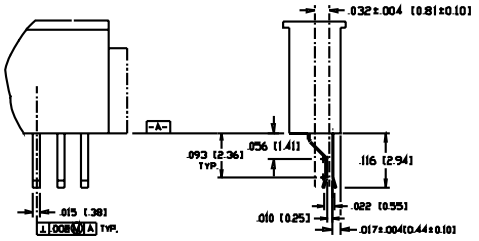
Tail Style 15 - ***See PC Board Layout -01***



Tail Style 16 - ***See PC Board Layout -03***



Tail Style 17 - ***See PC Board Layout -03***



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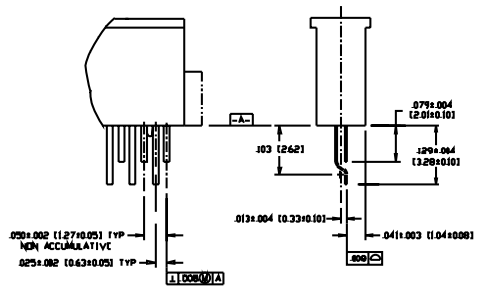
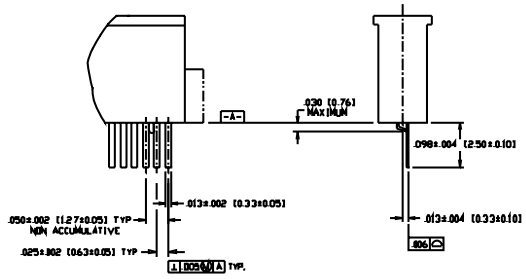
68 Position PC Card Receptacle Tail Styles

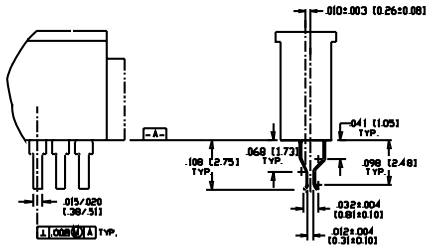
Tail Style 18 - ***See PC Board Layout -04***
(Reverse of 14 Tail)



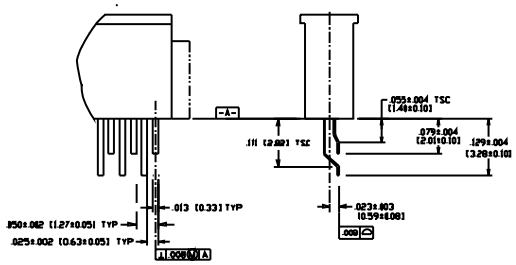
Tail Style 19 - ***See PC Board Layout -05***
(Reverse of 15 Tail)



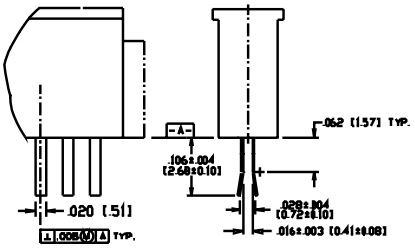
Tail Style 20 - ***See PC Board Layout -03***



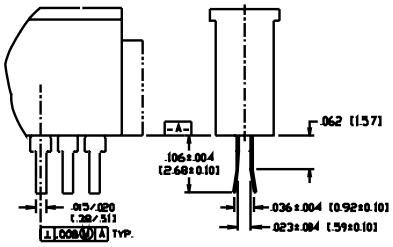
Tail Style 21 - ***See PC Board Layout -04***
(Reverse of 08 Tail)



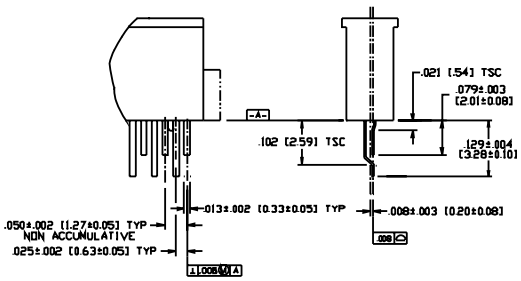
Tail Style 22 - ***See PC Board Layout -03***



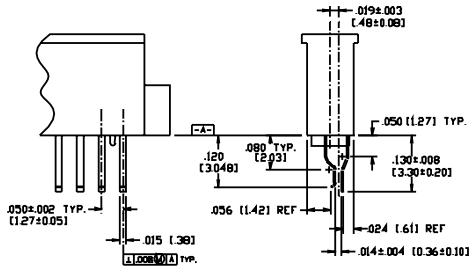
Tail Style 23 - ***See PC Board Layout -03***



Tail Style 30 - ***See PC Board Layout -04***



Tail Style 31 - ***See PC Board Layout -03***



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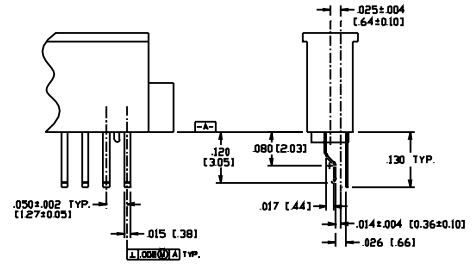
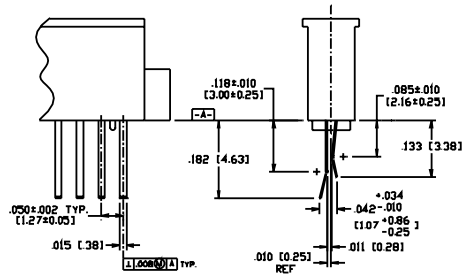
68 Position PC Card Receptacle
Tail Styles and Board Layouts

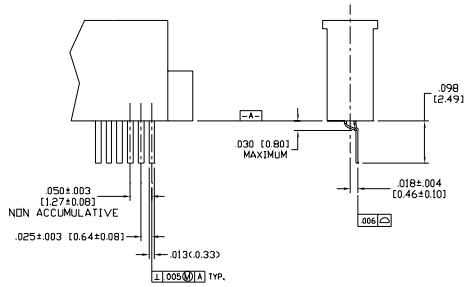
Tail Style 32 - *see PC Board Layout -03*



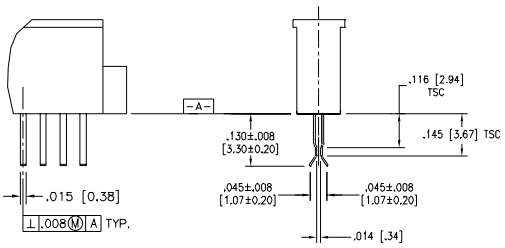
Tail Style 34 - *see PC Board Layout -03*



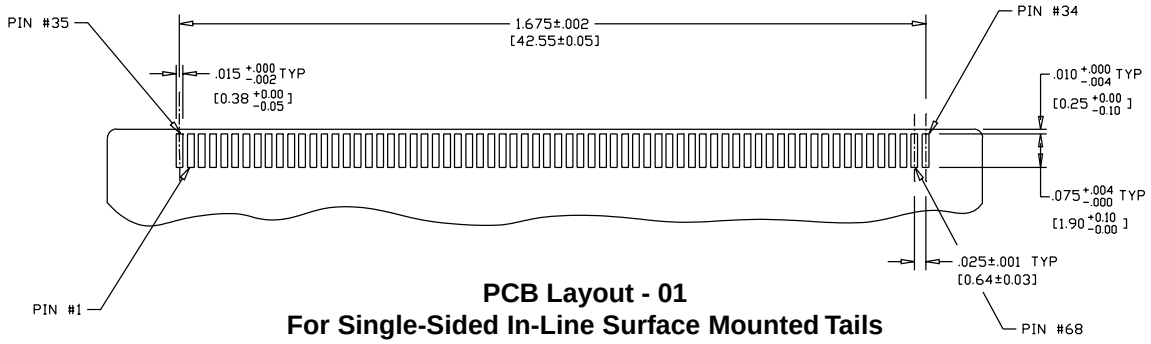
Tail Style 39 - *see PC Board Layout -05*



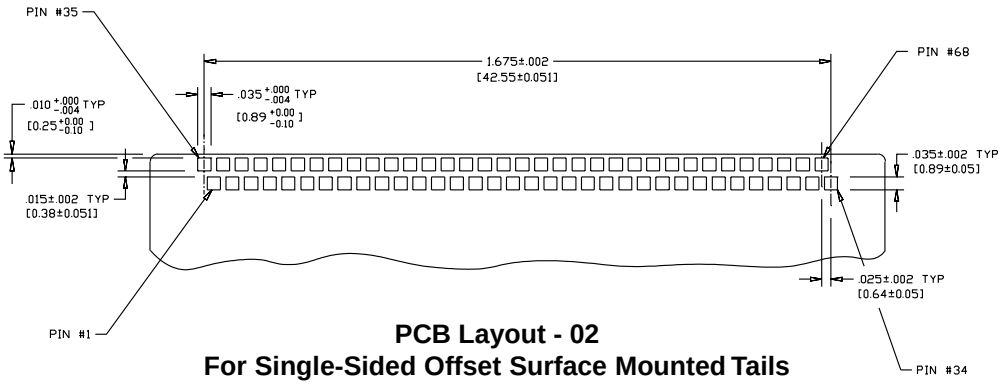
Tail Style 37 - *see PC Board Layout -03*



Board Layouts



PCB Layout - 01
For Single-Sided In-Line Surface Mounted Tails



PCB Layout - 02
For Single-Sided Offset Surface Mounted Tails

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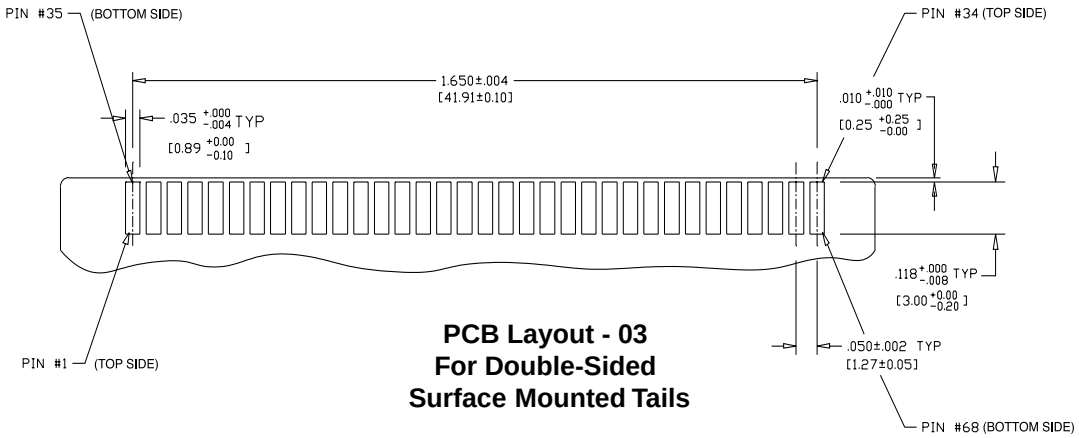
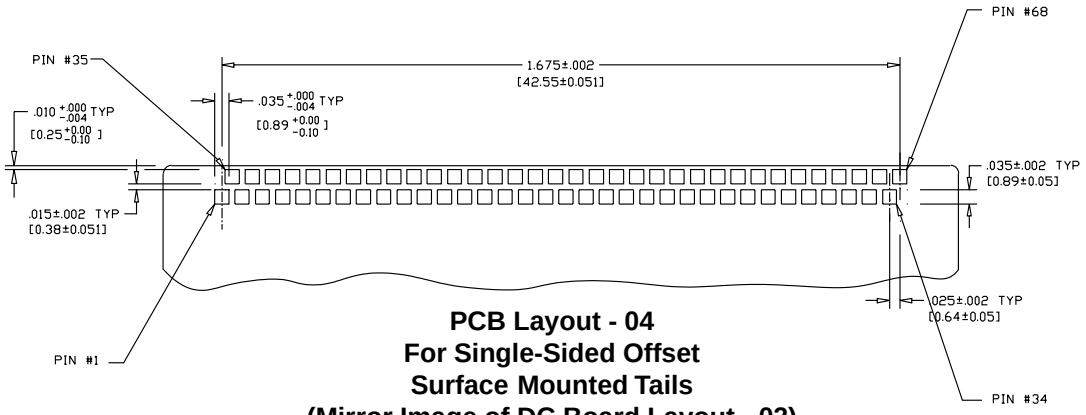
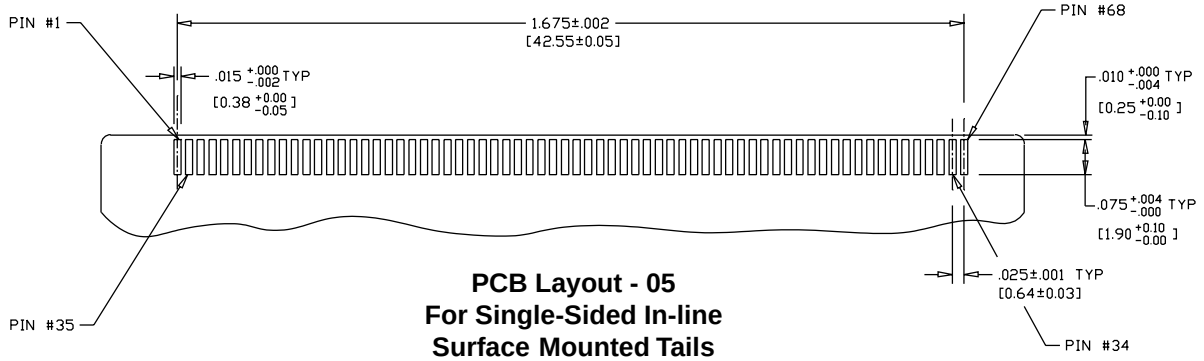
68 Position PC Card Receptacle Board Layouts



PCB Layout - 03
For Double-Sided
Surface Mounted Tails



PCB Layout - 04
For Single-Sided Offset
Surface Mounted Tails
(Mirror Image of DC Board Layout - 02)



PCB Layout - 05
For Single-Sided In-line
Surface Mounted Tails
(Alternate Pin Description of PC Board Layout - 01)

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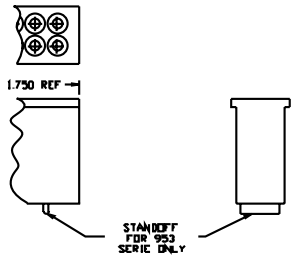
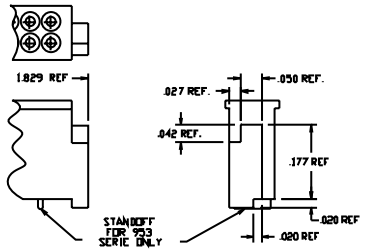
68 Position PC Card Receptacle
Mounting Ear Styles

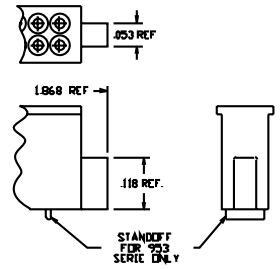
00 Mounting Ear Style



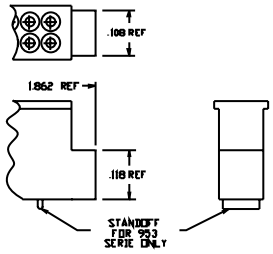
01 Mounting Ear Style



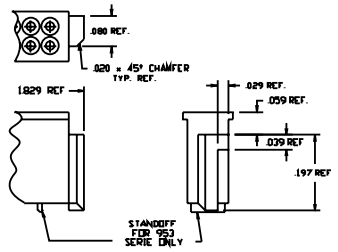
02 Mounting Ear Style



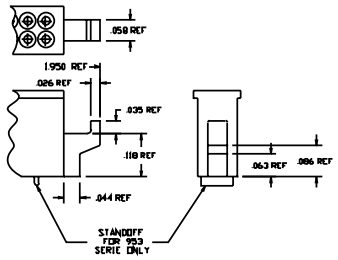
03 Mounting Ear Style



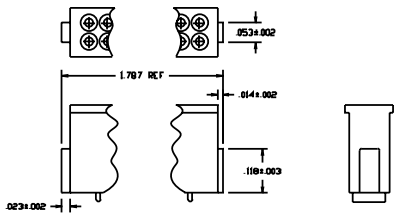
04 Mounting Ear Style



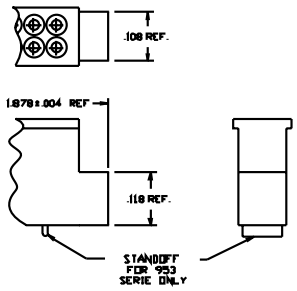
05 Mounting Ear Style



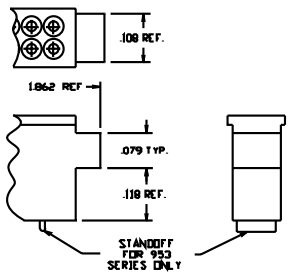
06 Mounting Ear Style



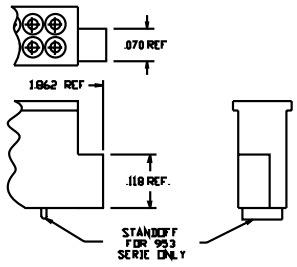
07 Mounting Ear Style



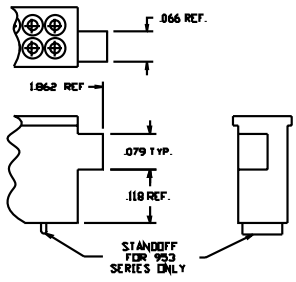
08 Mounting Ear Style



09 Mounting Ear Style



10 Mounting Ear Style



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