

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



GVLM-BS, Straight PCB Connector

MATERIALS AND FINISHES

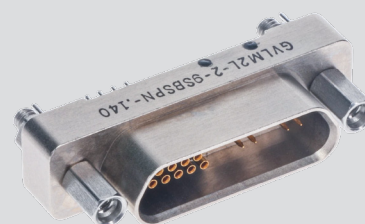
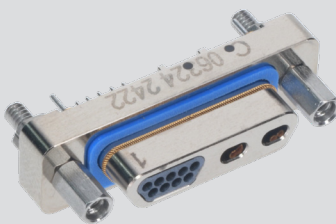
- Connector shell: aluminum alloy 6061
- Insulator (v): rigid dielectric
- Insulator (m): liquid crystal polymer (LCP) or polyphenylene sulfide (PPS)
- Flange seal: fluorosilicone rubber, blue
- Pin contact: copper alloy, gold over nickel plating
- Socket contact: copper alloy, gold over nickel plating
- Ground spring: stainless steel, gold plating
- Ground pin: copper alloy/gold plating
- Hardware: 300 series stainless steel, passivated
- Encapsulant: epoxy resin hysol EE4215

PERFORMANCE SPECIFICATIONS

- Current rating: 3 amp (Micro-D contacts)
- DWV: 600 vac sea level
- Insulation resistance: 5000 megohms minimum
- Operating temperature: -55° C to +150° C
- Mating force (contact m): (10 ounces) x (# of contacts)
- Mating force (contact v): (5 ounces) x (# of contacts)
- Electrical performance IAW Glenair specification GT-19-230
- Interface dimensions IAW MIL-DTL-83513
- Reference application notes AN0005 for optimal performance

NOTES

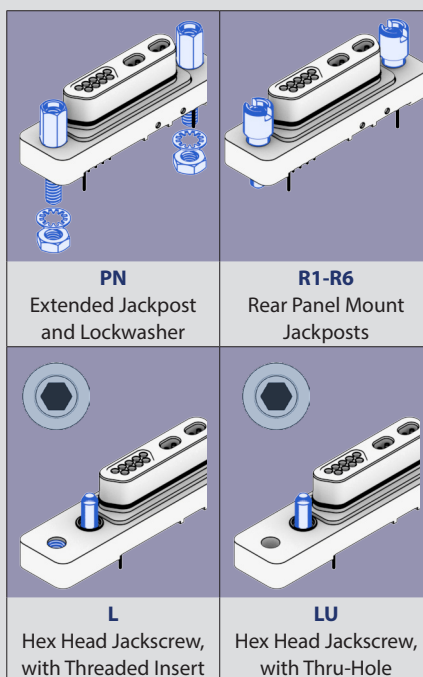
- Refer to GHS4-M-1000 for insert arrangement details on page 94.
- Refer to GVLM-1000 for GVLM-BS PCB footprints on page 106.
- Refer to GVLM-1005 details on page 95.
- Recommended mating dimensions must be maintained when no hardware is used, see page 95.
- Plug connector uses pin Micro-D contacts and socket VersaLink contacts. Receptacle uses socket Micro-D contacts and pin VersaLink contacts.
- PC tails are solder-dipped in 60/40 tin-lead solder.
- Refer to 500-154 for protective cover on page 164.



PART NUMBER DEVELOPMENT

Sample Part Number	GVLM	2	L-	2-9	P	BS	PN	-.110
Series	GVLM = VersaLink Micro-D							
Shell Finish	2 = Nickel 5 = Gold							
Insulator Material	L = LCP or PPS							
Contact Layout (V-M)¹	1-0, 1-9, 2-0, 2-9, 2-15, 2-21, 3-9, 4-0, 4-15, 4-31, 8-9, 10-0							
Connector Type⁵	P = Plug S = Receptacle							
Connector Style	BS = Board Straight							
Hardware⁴ (see mounting hardware table)	N = Thru hole, no hardware installed							
	PN = Extended jackpost with hex nut and lockwasher							
	Rear panel mount jackposts (Length in Inches):							
	R1 = .032 panel R2 = .047 panel R3 = .062 panel R4 = .093 panel R5 = .125 panel R6 = .080 panel							
PC Tail Length⁶	L = Hex head jackscrew (non-removable) with threaded insert							
	LU = Hex head jackscrew (non-removable) with thru hole							
PC Tail Length⁶	-.080, -.110, -.140 (Length in Inches +.020/-.000)							

HARDWARE



INSERT ARRANGEMENTS

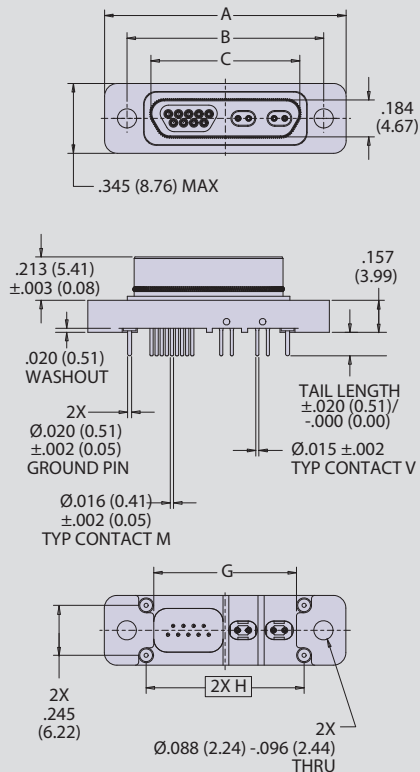
Insert Arrangements	No. of Contacts	
	VersaLink (V)	TwistPin (M)
1-0	1	0
2-0	2	0
1-9	1	9
2-9	2	9
4-0	4	0
2-15	2	15
2-21	2	21
3-9	3	9
4-15	4	15
4-31	4	31
8-9	8	9
10-0	10	0

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

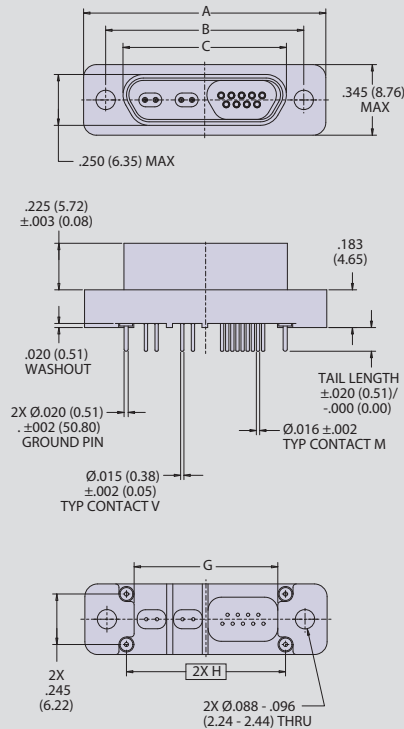


GVLM-BS, Straight PCB Connector

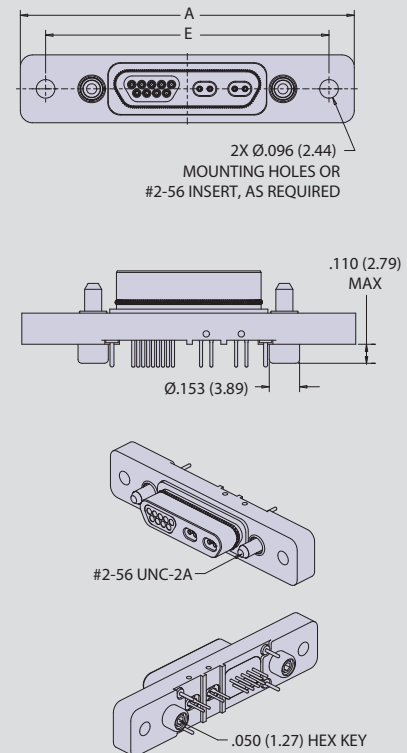
GVLM-BS PLUG



GVLM-BS RECEPTACLE



CONNECTOR DIMENSIONS WITH L/LU STYLE HARDWARE ONLY



PLUG DIMENSIONS

LAYOUT	A MAX	B	C MAX	G	H BSC
1-0P	0.785 (19.94)	0.565 (14.35)	0.333 (8.46)	0.300 (7.62)	0.375 (9.53)
2-0P	0.935 (23.75)	0.715 (18.16)	0.483 (12.27)	0.450 (11.43)	0.525 (13.34)
1-9P	1.085 (27.56)	0.865 (21.97)	0.633 (16.08)	0.600 (15.24)	0.675 (17.15)
2-9P	1.185 (30.10)	0.965 (24.51)	0.733 (18.62)	0.700 (17.78)	0.775 (19.69)
4-0P	1.185 (30.10)	0.965 (24.51)	0.733 (18.62)	0.700 (17.78)	0.775 (19.69)
2-15P	1.335 (33.91)	1.115 (28.32)	0.833 (21.16)	0.850 (21.59)	0.925 (23.50)
2-21P	1.485 (37.72)	1.265 (32.13)	1.033 (26.24)	1.000 (25.40)	1.075 (27.31)
3-9P	1.485 (37.72)	1.265 (32.13)	1.033 (26.24)	1.000 (25.40)	1.075 (27.31)
4-15P	1.835 (46.61)	1.615 (41.02)	1.384 (35.15)	1.350 (34.29)	1.425 (36.20)
4-31P	2.235 (56.77)	2.015 (51.18)	1.784 (45.31)	1.750 (44.45)	1.825 (46.36)
8-9P	2.235 (56.77)	2.015 (51.18)	1.784 (45.31)	1.750 (44.45)	1.825 (46.36)
10-0P	2.235 (56.77)	2.015 (51.18)	1.784 (45.31)	1.750 (44.45)	1.825 (46.36)

RECEPTACLE DIMENSIONS

LAYOUT	A MAX	B	C MAX	G	H BSC
1-0S	0.785 (19.94)	0.565 (14.35)	0.400 (10.16)	0.300 (7.62)	0.375 (9.53)
2-0S	0.935 (23.75)	0.715 (18.16)	0.551 (14.00)	0.450 (11.43)	0.525 (13.34)
1-9S	1.085 (27.56)	0.865 (21.97)	0.701 (17.81)	0.600 (15.24)	0.675 (17.15)
2-9S	1.185 (30.10)	0.965 (24.51)	0.801 (20.35)	0.700 (17.78)	0.775 (19.69)
4-0S	1.185 (30.10)	0.965 (24.51)	0.801 (20.35)	0.700 (17.78)	0.775 (19.69)
2-15S	1.335 (33.91)	1.115 (28.32)	0.951 (24.16)	0.850 (21.59)	0.925 (23.50)
2-21S	1.485 (37.72)	1.265 (32.13)	1.101 (27.97)	1.000 (25.40)	1.075 (27.31)
3-9S	1.485 (37.72)	1.265 (32.13)	1.101 (27.97)	1.000 (25.40)	1.075 (27.31)
4-15S	1.835 (46.61)	1.615 (41.02)	1.450 (36.83)	1.350 (34.29)	1.425 (36.20)
4-31S	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	1.750 (44.45)	1.825 (46.36)
8-9S	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	1.750 (44.45)	1.825 (46.36)
10-0S	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	1.750 (44.45)	1.825 (46.36)

L/LU DIMENSIONS

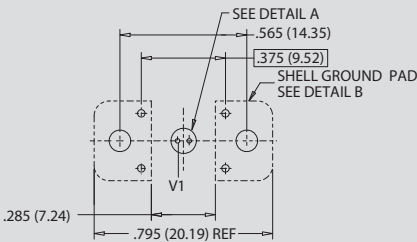
Layout	A MAX	E ±.005
1-0	1.285 (32.64)	1.030 (26.16)
2-0	1.435 (36.45)	1.180 (29.97)
1-9	1.585 (40.26)	1.330 (33.78)
2-9	1.685 (42.80)	1.430 (36.32)
4-0	1.685 (42.80)	1.430 (36.32)
2-15	1.835 (46.61)	1.580 (40.13)
2-21	1.985 (50.42)	1.730 (43.94)
3-9	1.985 (50.42)	1.730 (43.94)
4-15	2.335 (59.31)	2.080 (52.83)
4-31	2.735 (69.47)	2.480 (62.99)
8-9	2.735 (69.47)	2.480 (62.99)
10-0	2.735 (69.47)	2.480 (62.99)

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

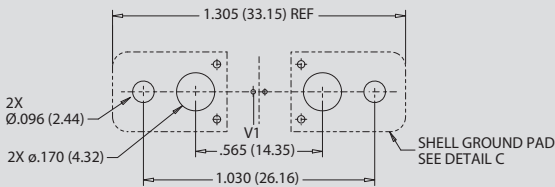


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

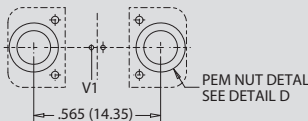
Plug Layout 1-0



JACKPOST HARDWARE (PN)

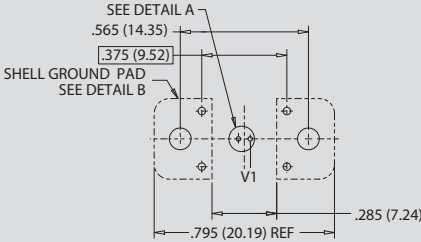


JACKSCREW HARDWARE (L/LU)

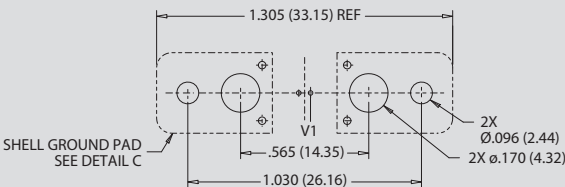


REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)

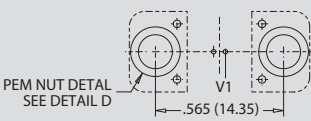
Receptacle Layout 1-0



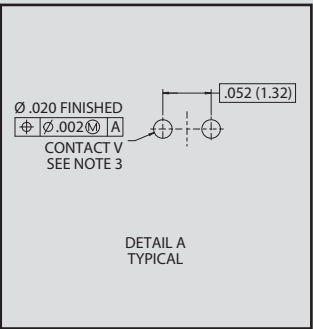
JACKPOST HARDWARE (PN)



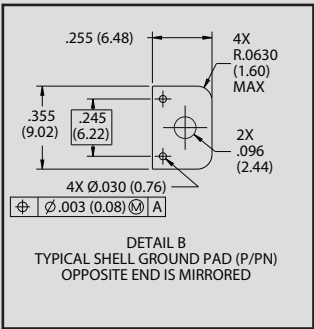
JACKSCREW HARDWARE (L/LU)



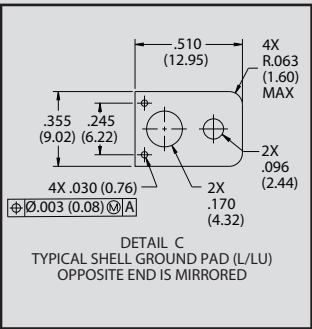
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



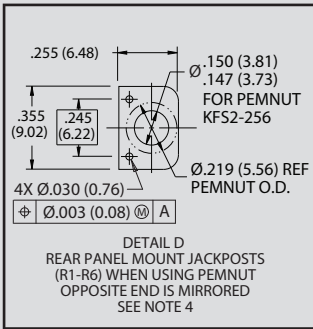
DETAIL A
TYPICAL



DETAIL B
TYPICAL SHELL GROUND PAD (P/PN)
OPPOSITE END IS MIRRORED



DETAIL C
TYPICAL SHELL GROUND PAD (L/LU)
OPPOSITE END IS MIRRORED



DETAIL D
REAR PANEL MOUNT JACKPOSTS
(R1-R6) WHEN USING PEMNUT
OPPOSITE END IS MIRRORED
SEE NOTE 4

NOTES

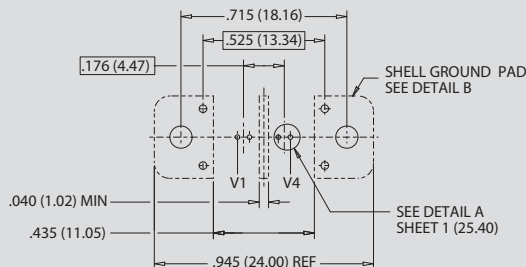
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint as the "P" hardware option shown in Detail B.

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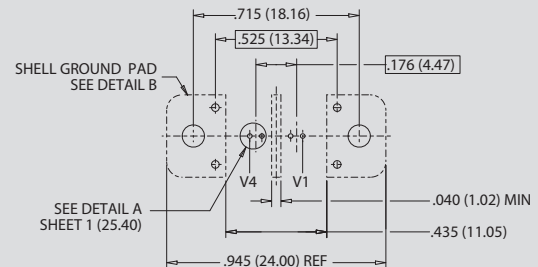
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-0

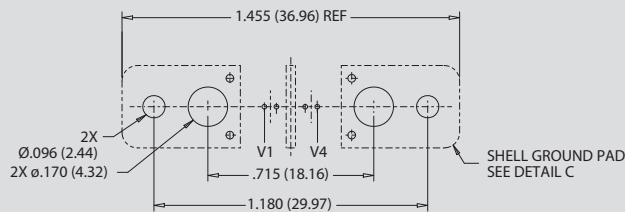


JACKPOST HARDWARE (PN)

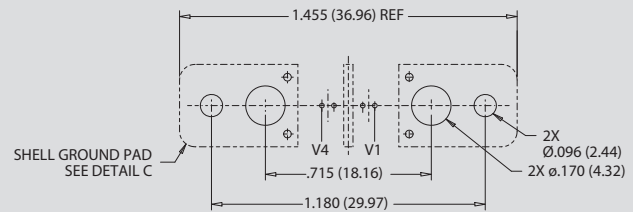
Receptacle Layout 2-0



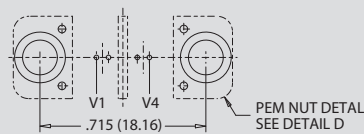
JACKPOST HARDWARE (PN)



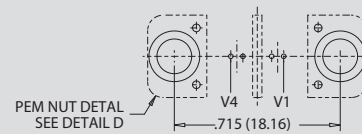
JACKSCREW HARDWARE (L/LU)



JACKSCREW HARDWARE (L/LU)

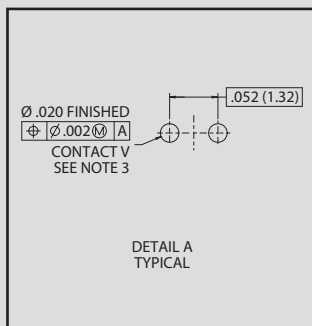


REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)

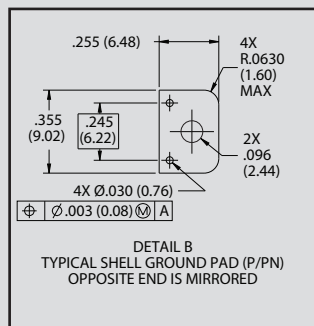


REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)

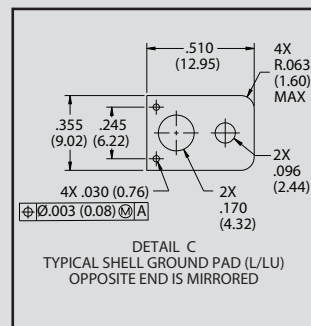
MICRO-D VERSALINK CONNECTORS



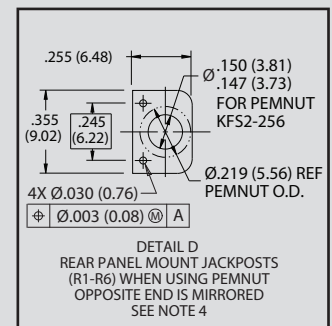
DETAIL A
TYPICAL



DETAIL B
TYPICAL SHELL GROUND PAD (P/PN)
OPPOSITE END IS MIRROR



DETAIL C
TYPICAL SHELL GROUND PAD (L/LU)
OPPOSITE END IS MIRROR



DETAIL D
REAR PANEL MOUNT JACKPOSTS
(R1-R6) WHEN USING PEMNUT
OPPOSITE END IS MIRROR
SEE NOTE 4

NOTES

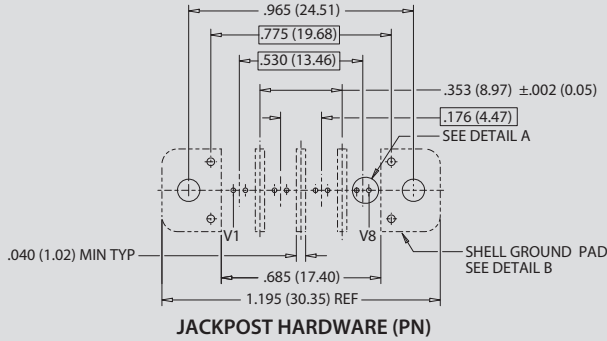
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- Reference application notes AN0005 for optimal performance.
- PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint as the "P" hardware option shown in Detail B.

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

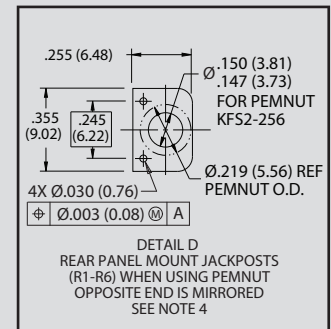
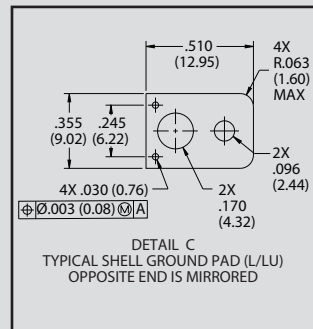
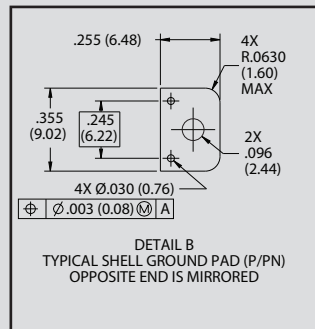
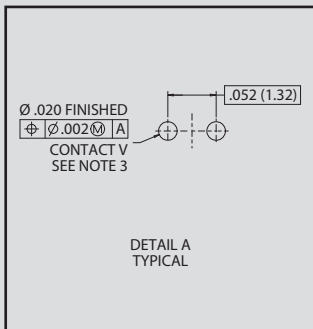
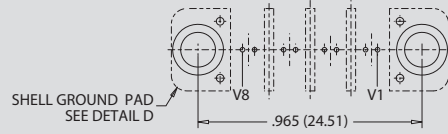
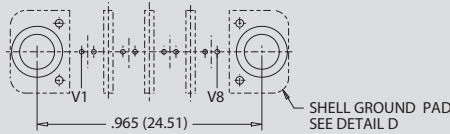
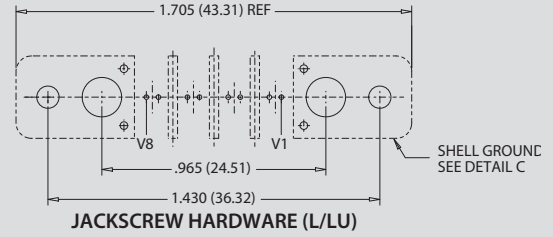
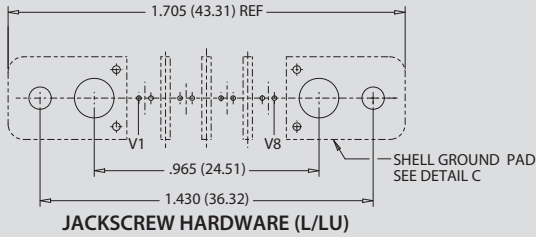
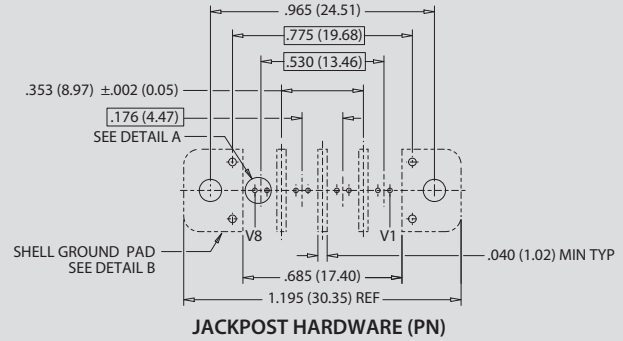


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 4-0



Receptacle Layout 4-0



NOTES

1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint as the "P" hardware option shown in Detail B.

MICRO-D VERSALINK CONNECTORS

Technical drawing of a shell ground pad showing dimensions and callouts. The drawing includes a top view with a dashed outline and a cross-section view. Dimensions are provided in inches and millimeters (in parentheses). Callouts include V1, V20, and SHELL GROUND PAD SEE DETAIL B.

Dimensions (inches [millimeters]):

- 1.825 (46.36)
- 1.530 (38.86)
- 1.190 (30.23)
- .850 (21.59)
- .510 (12.95)
- 1.360 (34.54) ±.002 (0.05)
- 1.020 (25.91) ±.002 (0.05)
- .680 (17.27) ±.002 (0.05)
- .340 (8.64) ±.002 (0.05)
- .170 (4.32)
- .034 (0.86) MIN TYP
- 1.735 (44.07)
- 2.015 (51.18)
- 2.245 (57.02) REF

Callouts:

- V1
- V20
- SHELL GROUND PAD SEE DETAIL B
- SEE DETAIL A

Figure 1: Typical layout of a shell ground pad. The diagram shows a top-down view of a PCB layout. It features two circular pads on the left and right, each with a central circular pad. The pads are connected by a central horizontal strip. Dimensions are given in inches and millimeters: .255 (6.48) for the pad diameter, 2.015 (51.18) for the central strip width, and 2.015 (51.18) for the total width. A label "SHELL GROUND PAD SEE DETAIL D" points to the right pad.

Ø .020 FINISHED

Ø .002 (M)

.052 (1.32)

CONTACT V

SEE NOTE 3

DETAIL A
TYPICAL

Technical drawing of a typical shell ground pad (P/PN). The drawing shows a rectangular pad with a rounded corner. Dimensions and tolerances are as follows:

- Overall width: .255 (6.48)
- Overall height: .355 (9.02)
- Inner width: .245 (6.22)
- Inner height: .245 (6.22)
- Corner radius: 4X R.0630 (1.60) MAX
- Top edge thickness: 2X .096 (2.44)
- Bottom edge thickness: 4X Ø.030 (0.76)
- Surface finish: 4X Ø.003 (0.08) A

DETAIL B
TYPICAL SHELL GROUND PAD (P/PN)
OPPOSITE END IS MIRRORRED

Technical drawing of a typical shell ground pad (L/LU). The drawing shows a rectangular pad with a circular hole in the center. Dimensions and tolerances are specified in inches and millimeters.

- Overall width: .510 (12.95)
- Overall height: .355 (9.02)
- Distance from top edge to center of hole: .245 (6.22)
- Distance from left edge to center of hole: .4X .030 (0.76)
- Radius of the hole: 4X R.063 (1.60) MAX
- Radius of the pad: 2X .096 (2.44)
- Radius of the hole: 2X .170 (4.32)
- Surface finish: 4X .003 (0.08) A

DETAIL C
TYPICAL SHELL GROUND PAD (L/LU)
OPPOSITE END IS MIRRORRED

Technical drawing of a rear panel mount jackpost (R1-R6) showing dimensions and specifications.

Dimensions (inches in parentheses):

- Overall width: .255 (6.48)
- Overall height: .355 (9.02)
- Internal width: .245 (6.22)
- Internal height: .150 (3.81)
- Internal height: .147 (3.73)
- Internal diameter: Ø.219 (5.56)
- Internal diameter: Ø.150 (3.81)
- Internal diameter: Ø.147 (3.73)

Specifications:

- FOR PEMNUT KFS2-256
- Ø.219 (5.56) REAR PANEL MOUNT JACKPOST
- PEMNUT O.D.
- 4X Ø.030 (0.76)
- Ø .003 (0.08)
- M
- A

DETAIL D

REAR PANEL MOUNT JACKPOSTS (R1-R6) WHEN USING PEMNUT OPPOSITE END IS MIRRORED

SEE NOTE 4

1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLN-BS for connector details.
3. Reference application notes AN0005 for optimal performance.

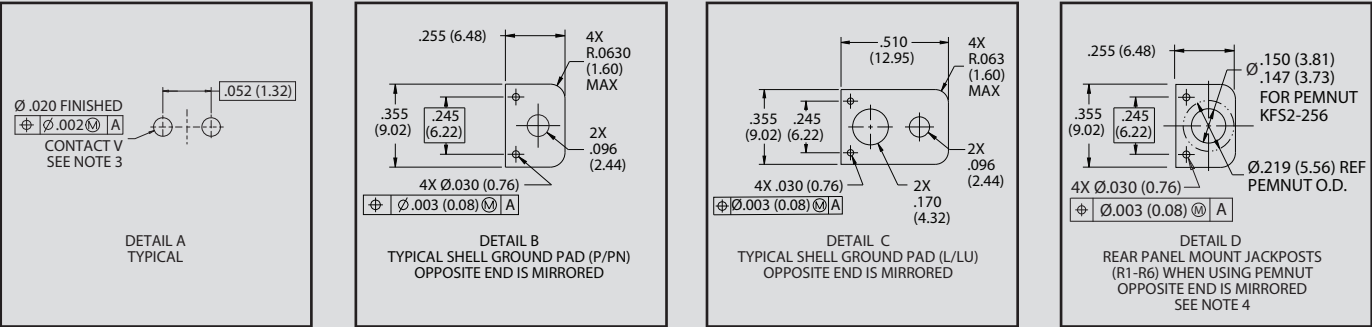
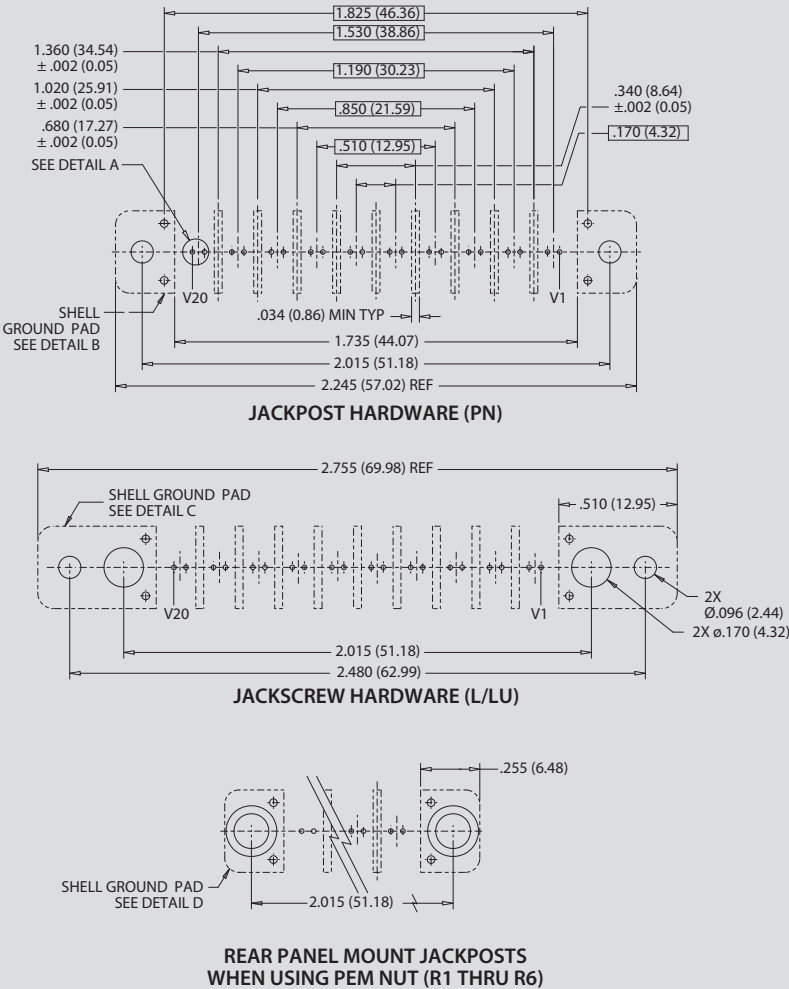
- 109

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Receptacle Layout 10-0



NOTES

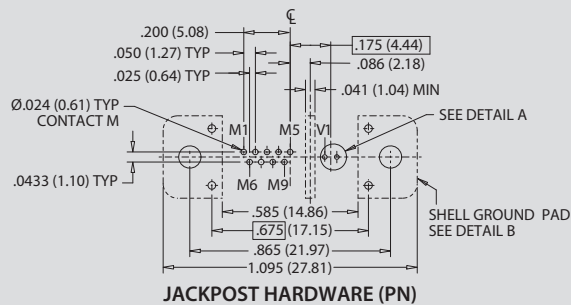
1. Patterns shown are for connector mounting side of PC board.
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

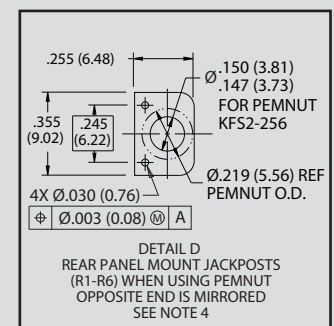
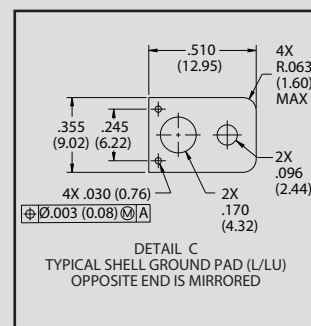
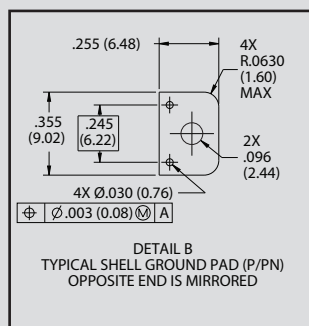
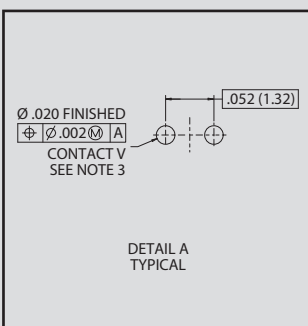
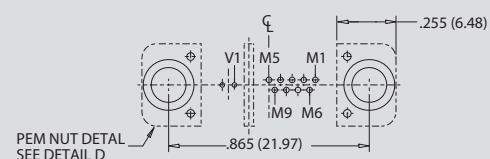
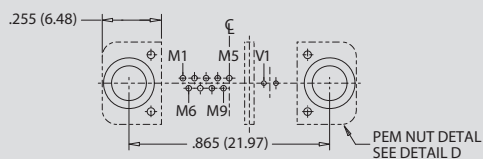
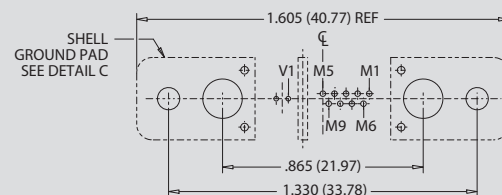
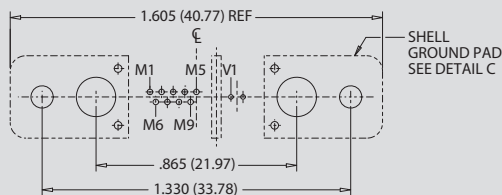
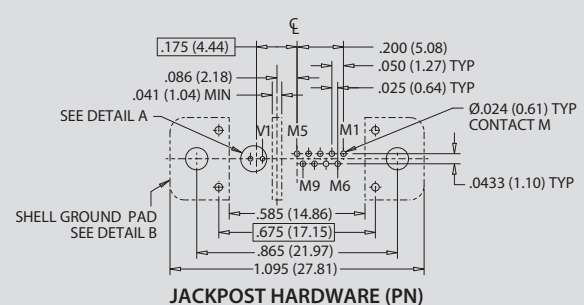


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 1-9



Receptacle Layout 1-9



NOTES

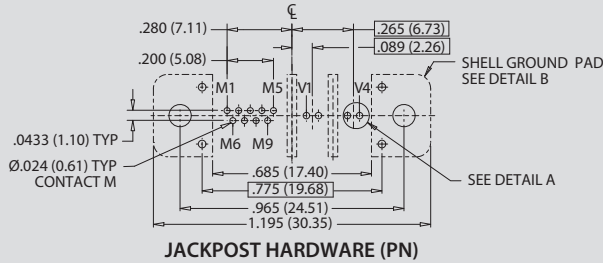
1. Patterns shown are for connector mounting side of PC board.
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

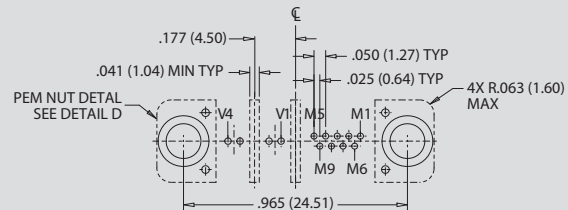
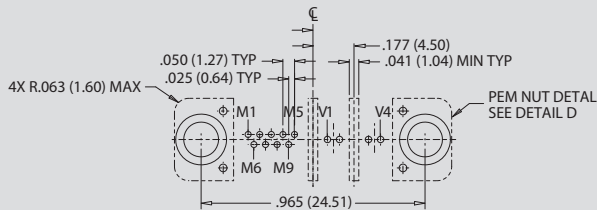
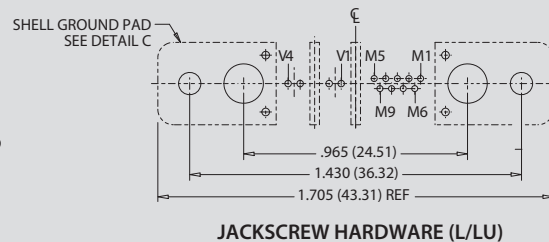
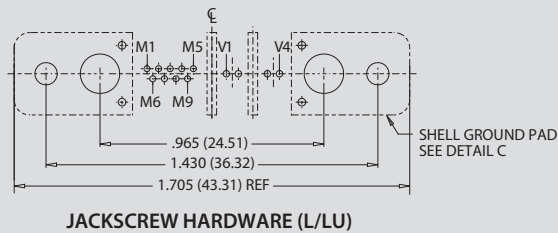
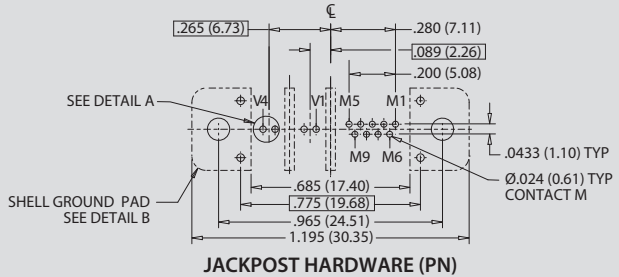


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-9

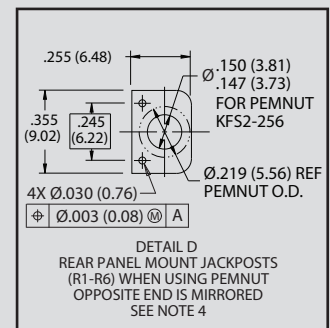
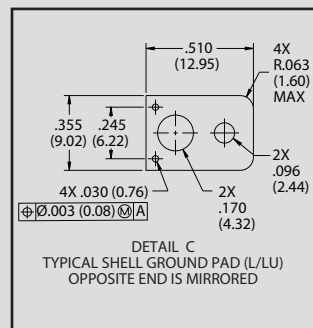
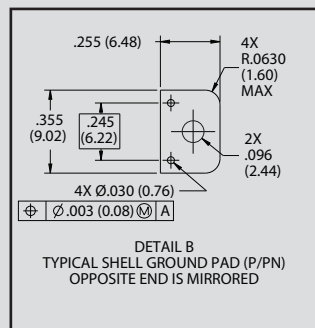
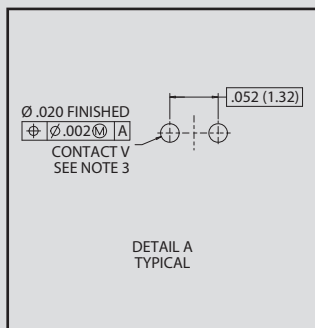


Receptacle Layout 2-9



REAR PANEL MOUNT JACKPOSTS WHEN USING PEM NUT (R1 THRU R6)

REAR PANEL MOUNT JACKPOSTS WHEN USING PEM NUT (R1 THRU R6)



NOTES

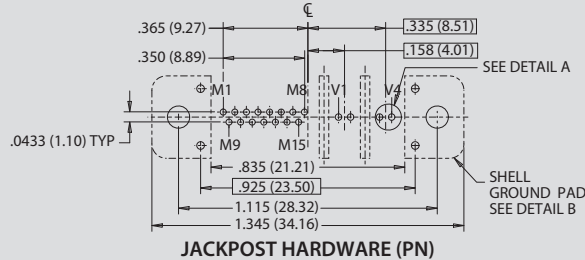
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



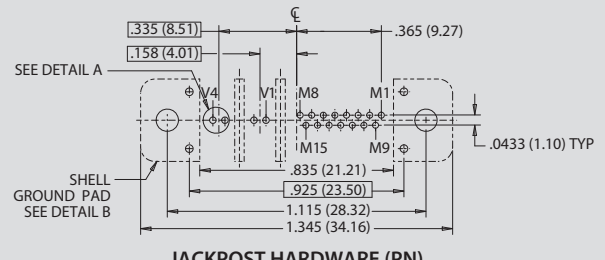
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-15

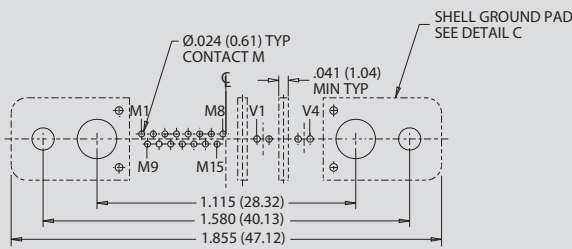


JACKPOST HARDWARE (PN)

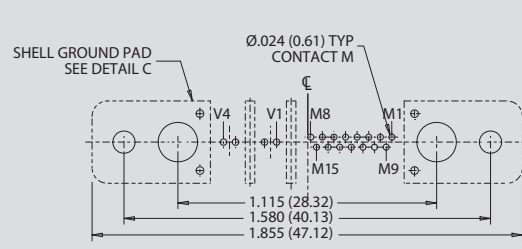
Receptacle Layout 2-15



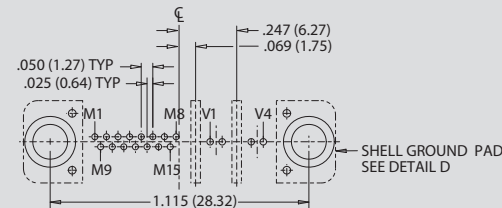
JACKPOST HARDWARE (PN)



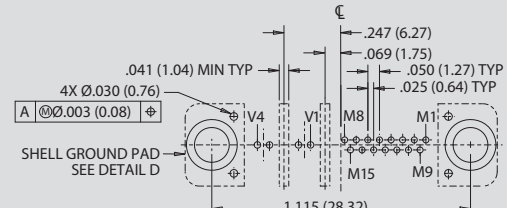
JACKSCREW HARDWARE (L/LU)



JACKSCREW HARDWARE (L/LU)

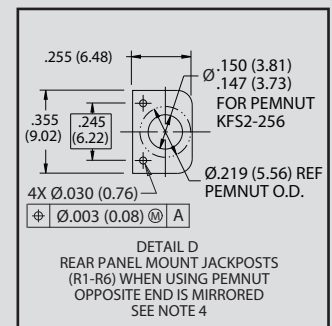
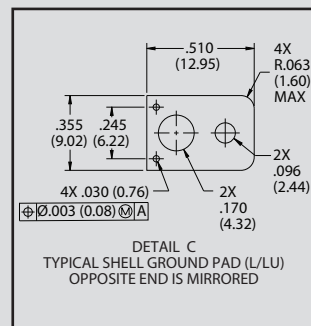
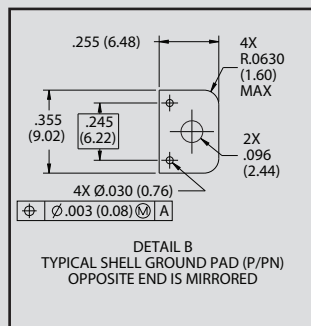
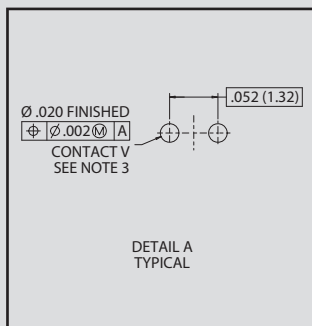


**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**



**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**

MICRO-D VERSALINK CONNECTORS



NOTES

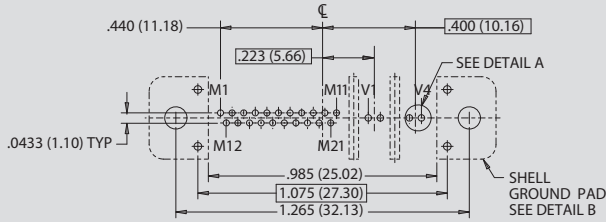
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



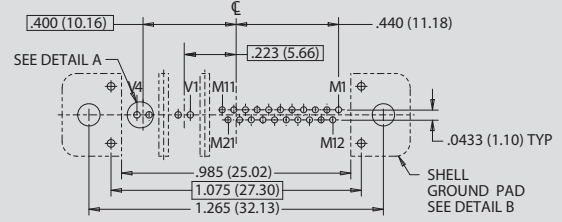
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-21

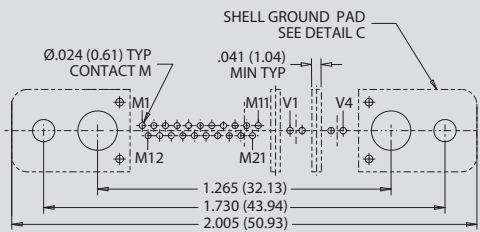


JACKPOST HARDWARE (PN)

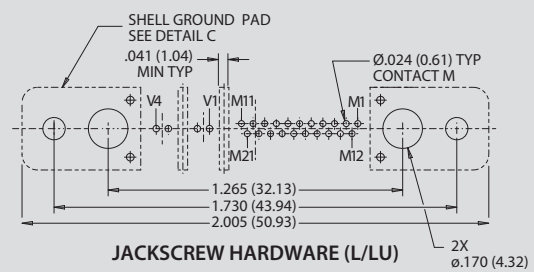
Receptacle Layout 2-21



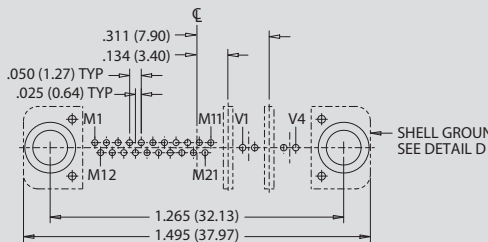
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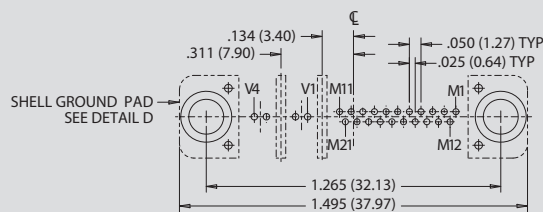
JACKSCREW HARDWARE (L/LU)



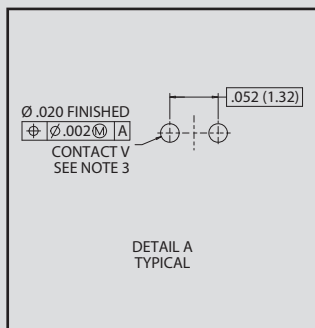
JACKSCREW HARDWARE (L/LU)



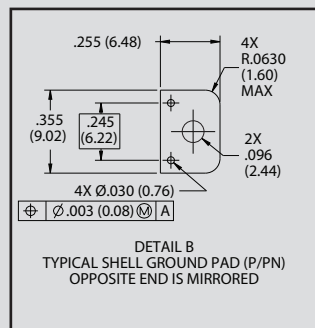
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



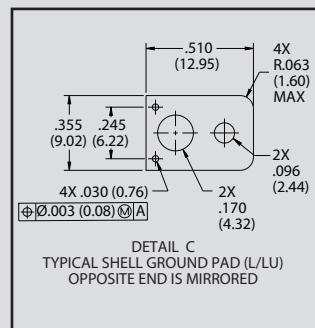
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



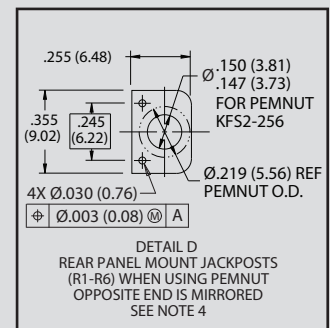
DETAIL A
TYPICAL



DETAIL B
TYPICAL SHELL GROUND PAD (P/PN)
OPPOSITE END IS MIRRORED



DETAIL C
TYPICAL SHELL GROUND PAD (L/LU)
OPPOSITE END IS MIRRORED



DETAIL D
REAR PANEL MOUNT JACKPOSTS
(R1-R6) WHEN USING PEMNUT
OPPOSITE END IS MIRRORED
SEE NOTE 4

NOTES

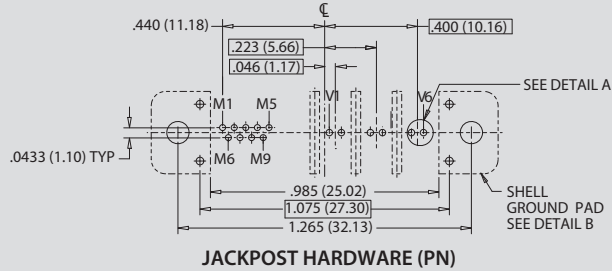
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



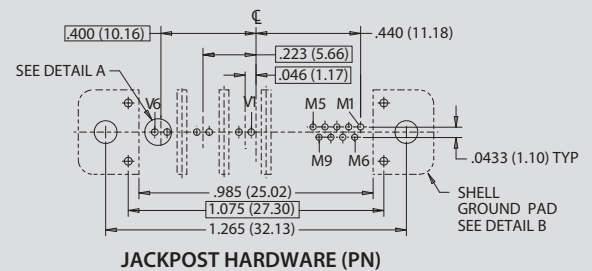
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 3-9

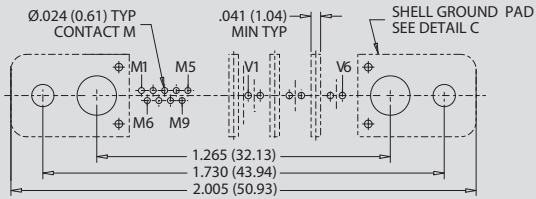


JACKPOST HARDWARE (PN)

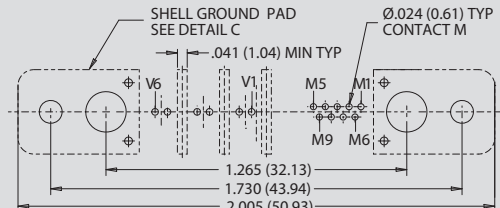
Receptacle Layout 3-9



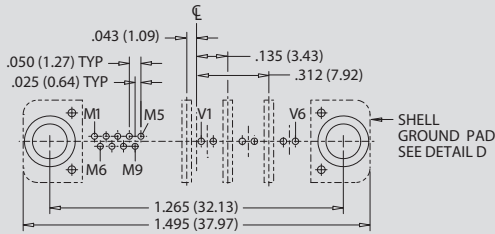
JACKPOST HARDWARE (PN)



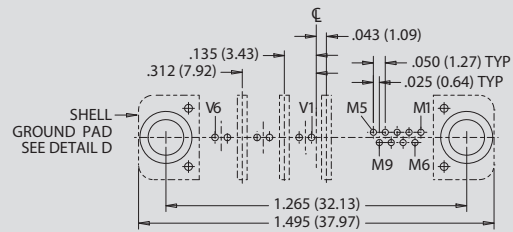
JACKSCREW HARDWARE (L/LU)



JACKSCREW HARDWARE (L/LU)

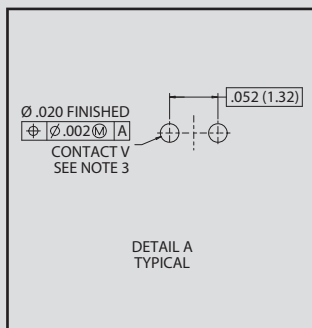


**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**

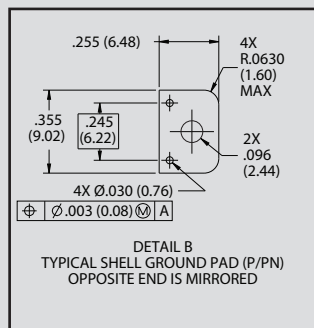


REAR PANEL MOUNT JACKPOSTS

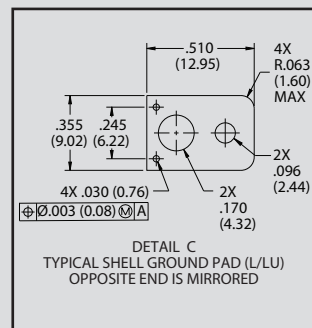
MICRO-D VERSALINK CONNECTORS



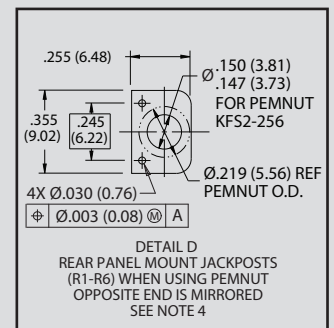
**DETAIL A
TYPICAL**



**DETAIL B
TYPICAL SHELL GROUND PAD (P/PN)
OPPOSITE END IS MIRROR**



**DETAIL C
TYPICAL SHELL GROUND PAD (L/LU)
OPPOSITE END IS MIRROR**



**DETAIL D
REAR PANEL MOUNT JACKPOSTS
(R1-R6) WHEN USING PEMNUT
OPPOSITE END IS MIRROR
SEE NOTE 4**

NOTES

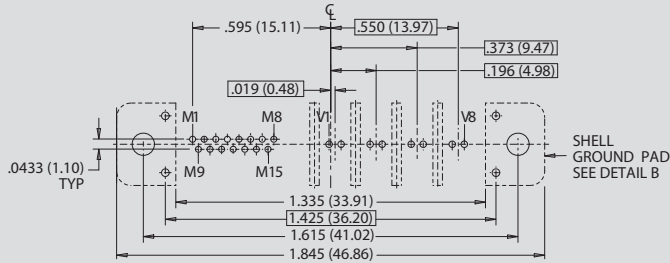
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

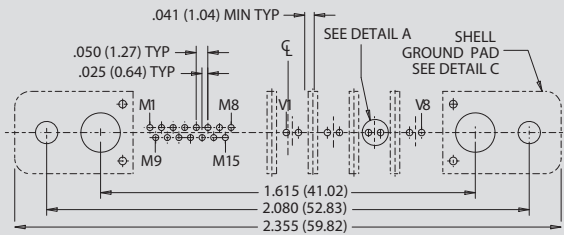


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

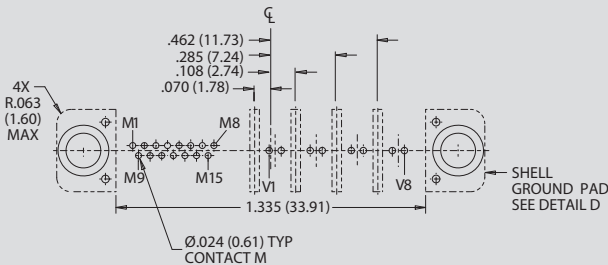
Plug Layout 4-15



JACKPOST HARDWARE (PN)

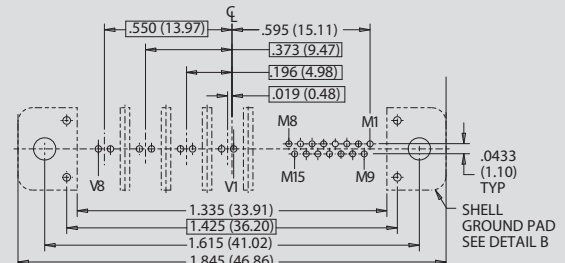


JACKSCREW HARDWARE (L/LU)

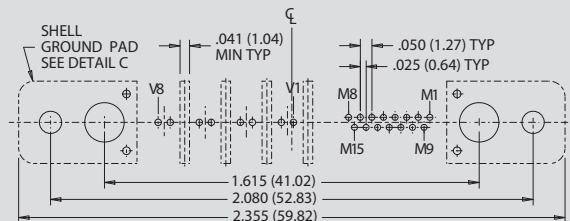


**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**

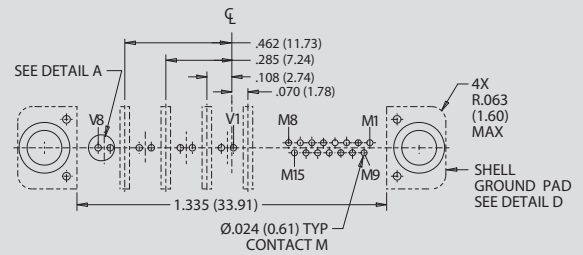
Receptacle Layout 4-15



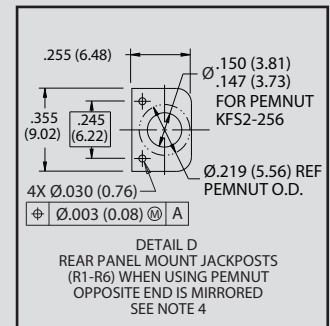
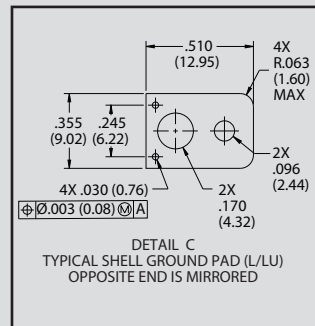
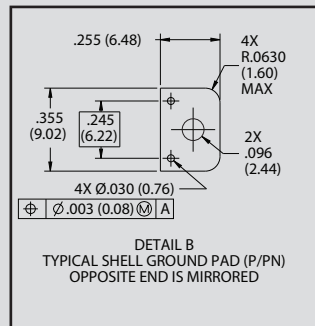
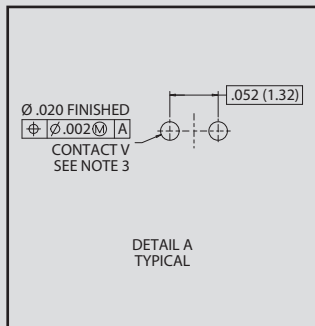
JACKPOST HARDWARE (PN)



JACKSCREW HARDWARE (L/LU)



**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**



NOTES

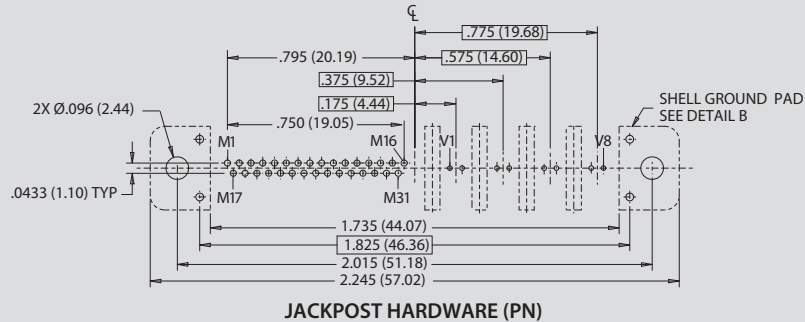
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

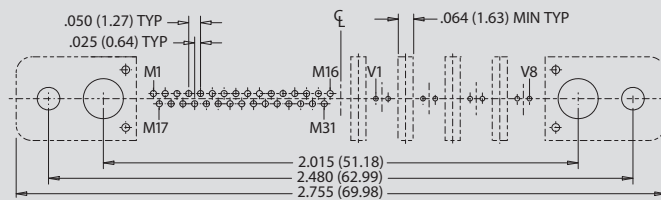


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

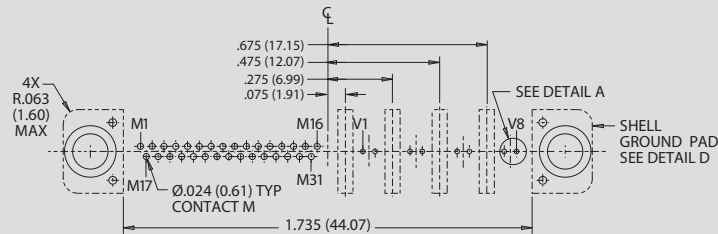
Plug Layout 4-31



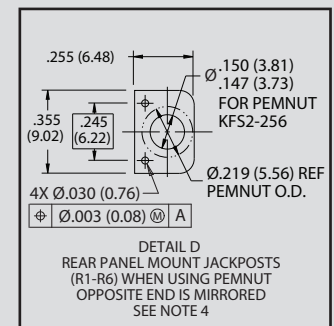
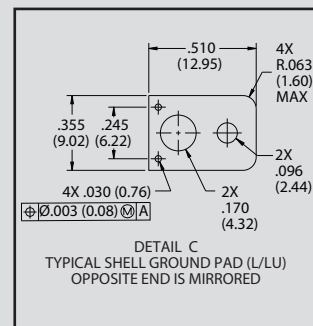
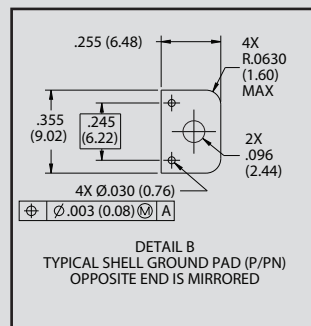
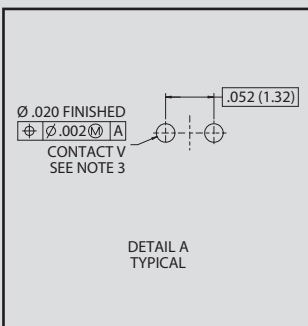
JACKPOST HARDWARE (PN)



JACKSCREW HARDWARE (L/LU)



REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



NOTES

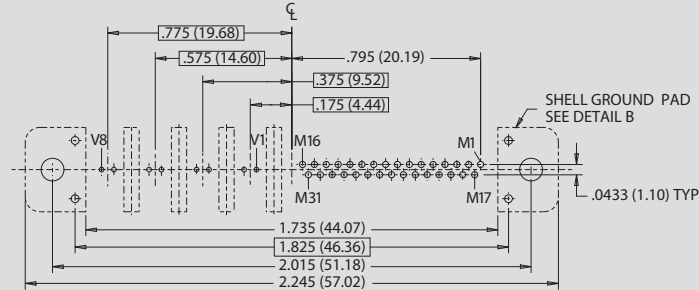
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

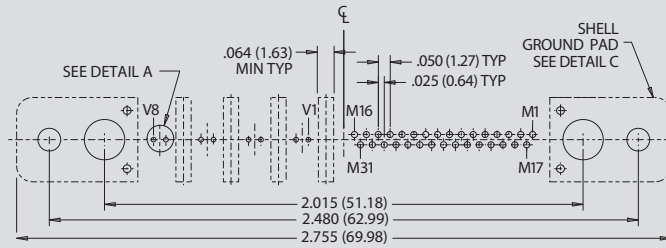


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

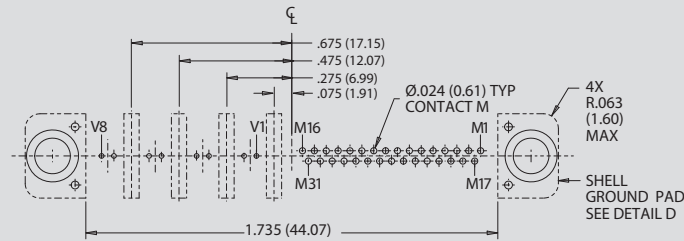
Receptacle Layout 4-31



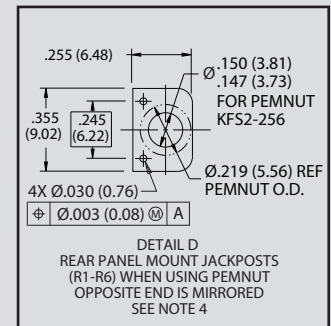
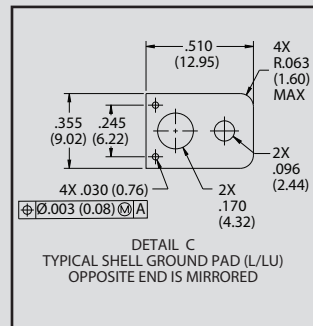
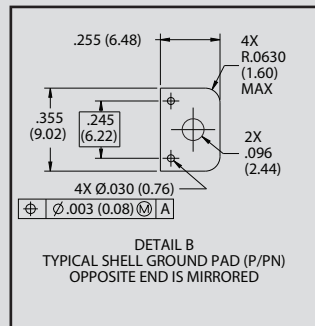
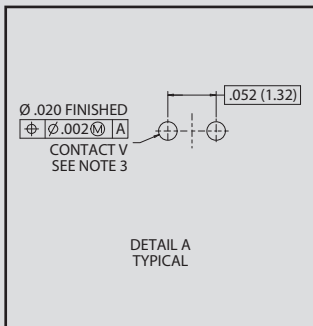
JACKPOST HARDWARE (PN)



JACKSCREW HARDWARE (L/LU)



REAR PANEL MOUNT JACKPOSTS WHEN USING PEM NUT (R1 THRU R6)



NOTES

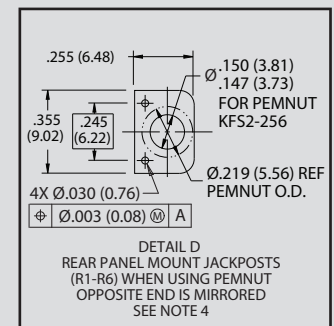
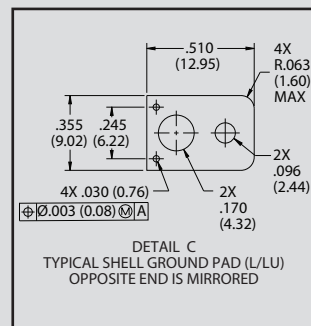
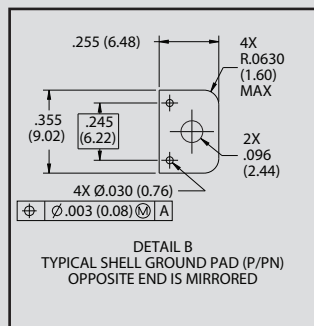
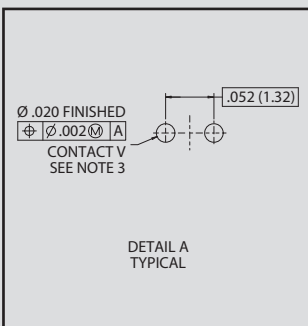
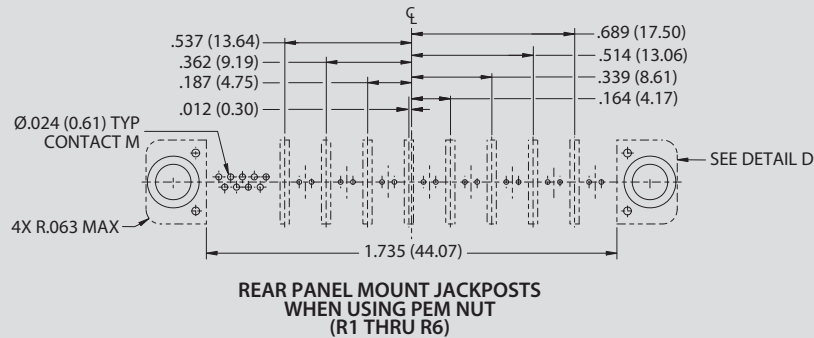
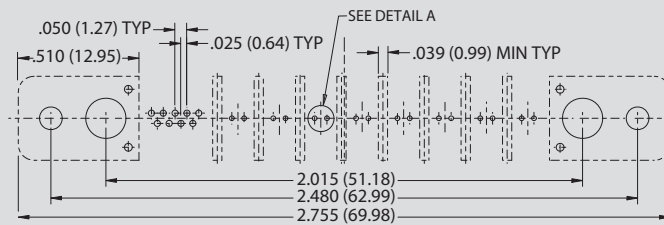
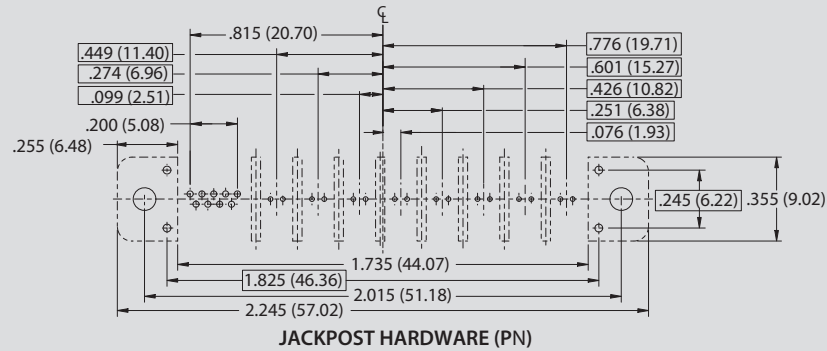
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint as the "P" hardware option shown in Detail B.

"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors



GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 8-9



NOTES

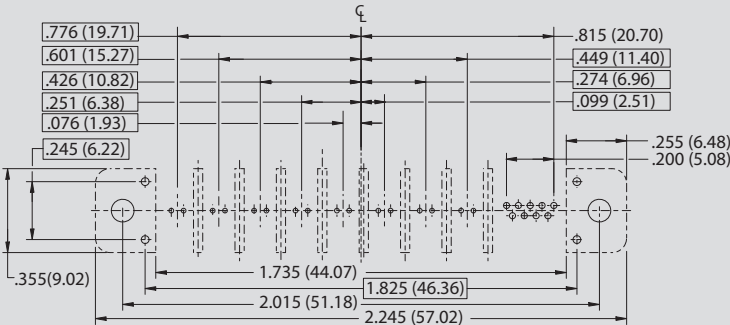
- Patterns shown are for connector mounting side of PC board.
- Reference GVLM-BS for connector details.
- Reference application notes AN0005 for optimal performance.
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"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

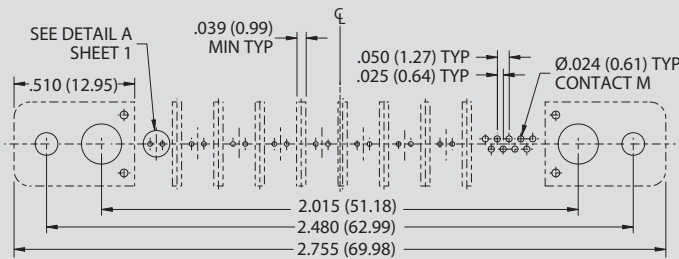


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

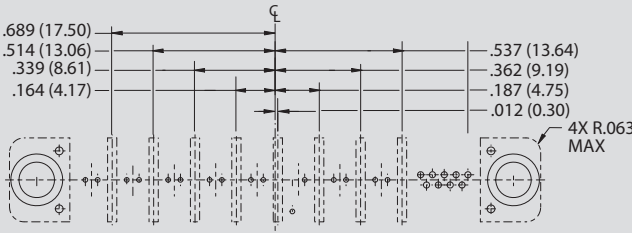
Receptacle Layout 8-9



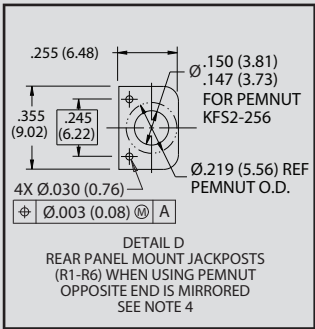
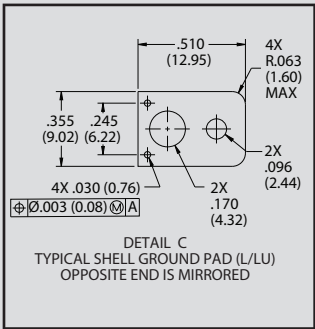
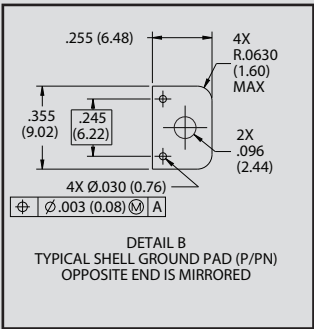
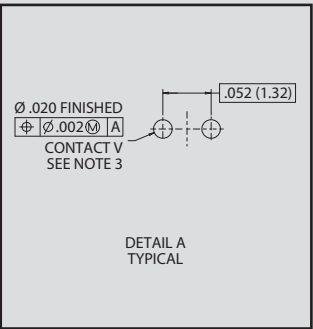
JACKPOST HARDWARE (PN)



JACKSCREW HARDWARE (L/LU)



REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT
(R1 THRU R6)



NOTES

1. Patterns shown are for connector mounting side of PC board.
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