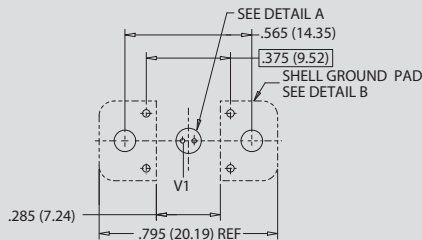


"ZERO-CROSSTALK" M83513 Micro-D VersaLink™ Connectors

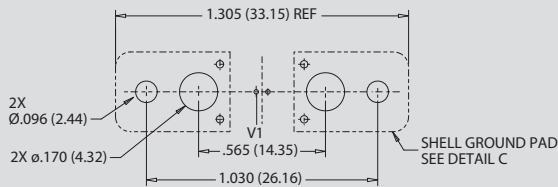


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

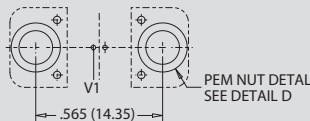
Plug Layout 1-0



JACKPOST HARDWARE (PN)

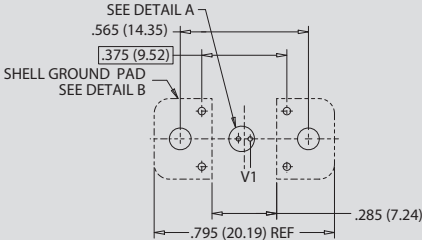


JACKSCREW HARDWARE (L/LU)

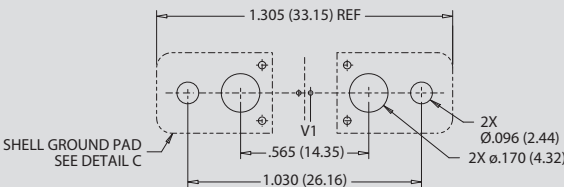


REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)

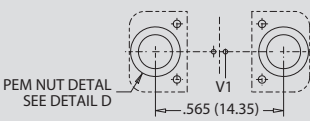
Receptacle Layout 1-0



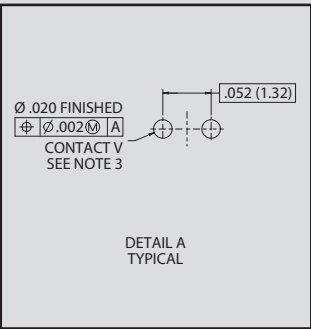
JACKPOST HARDWARE (PN)



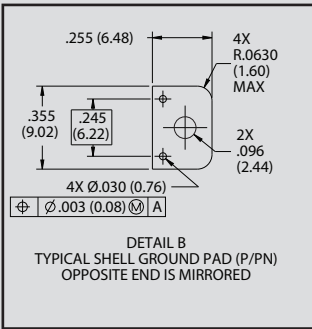
JACKSCREW HARDWARE (L/LU)



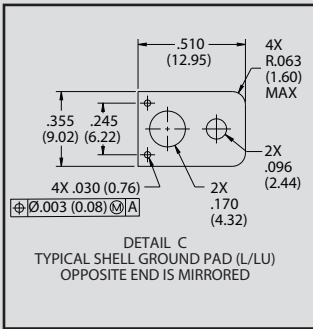
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



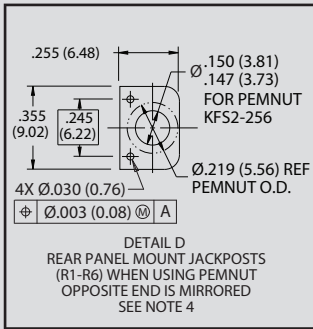
DETAIL A
TYPICAL



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



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



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

NOTES

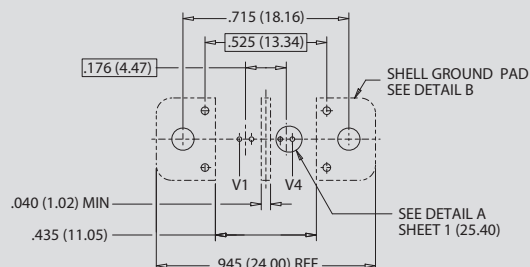
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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



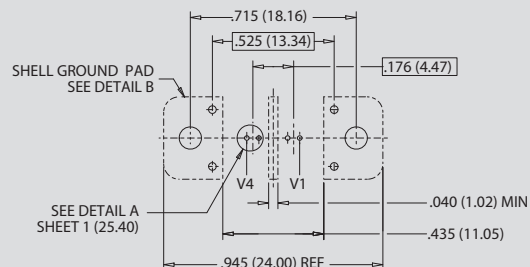
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-0

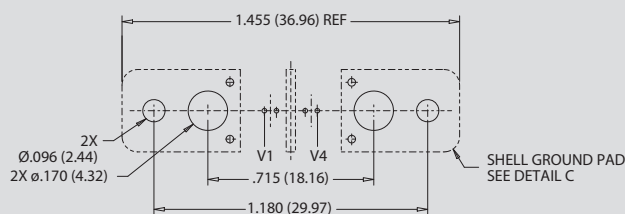


JACKPOST HARDWARE (PN)

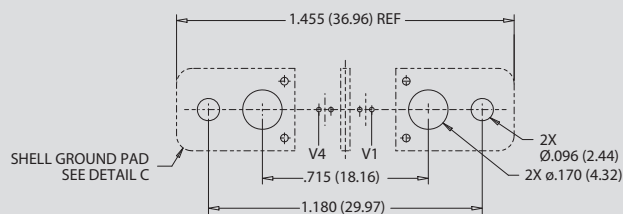
Receptacle Layout 2-0



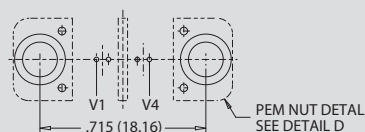
JACKPOST HARDWARE (PN)



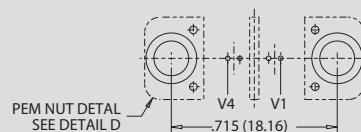
JACKSCREW HARDWARE (L/LU)



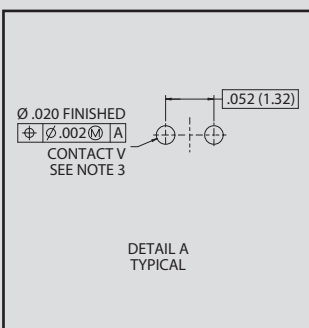
JACKSCREW HARDWARE (L/LU)



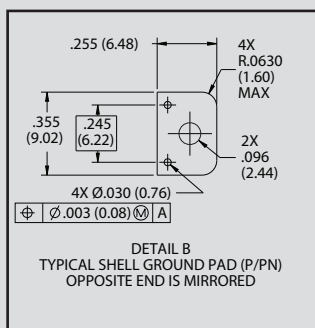
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



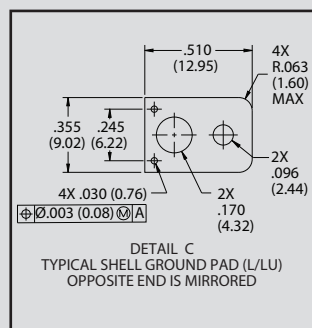
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



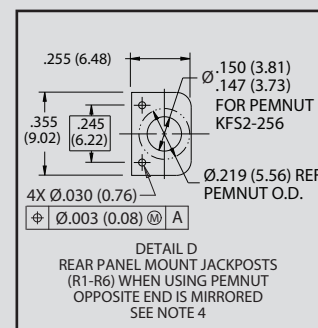
DETAIL A
TYPICAL



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

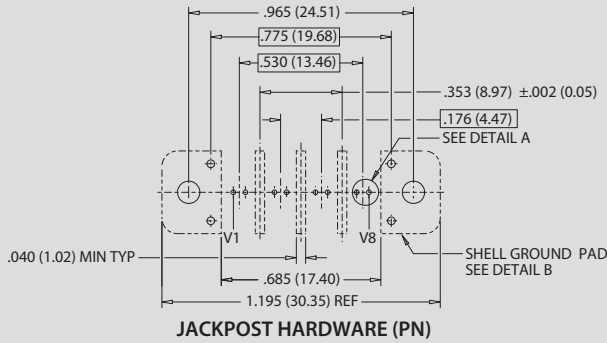
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

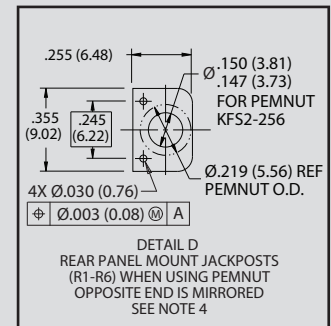
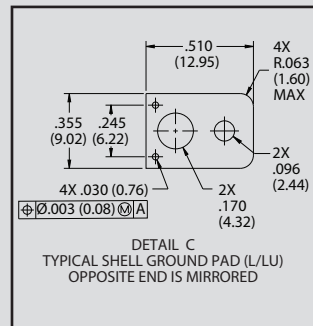
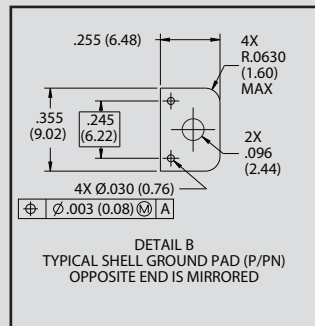
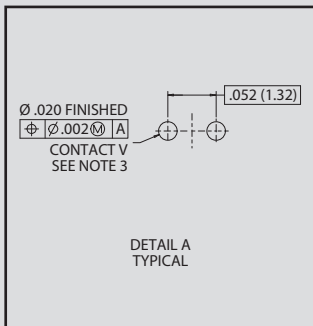
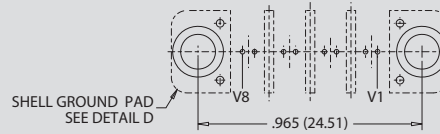
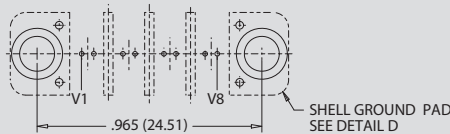
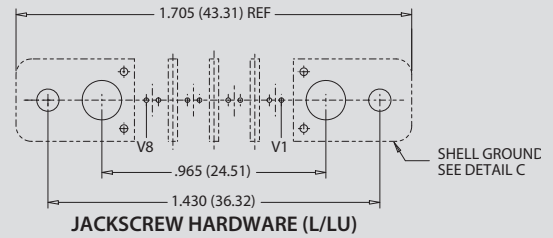
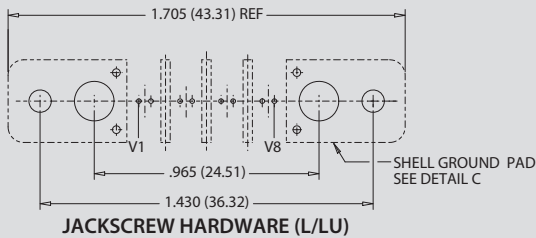
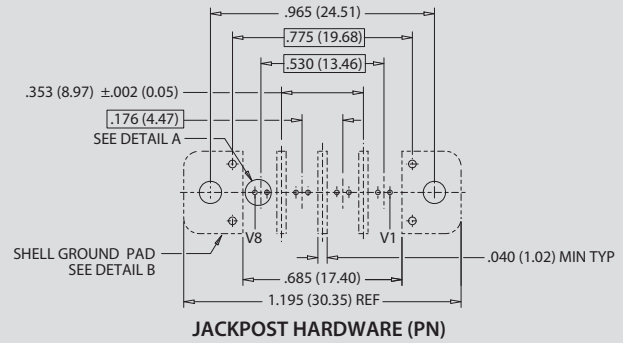


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 4-0



Receptacle Layout 4-0



NOTES

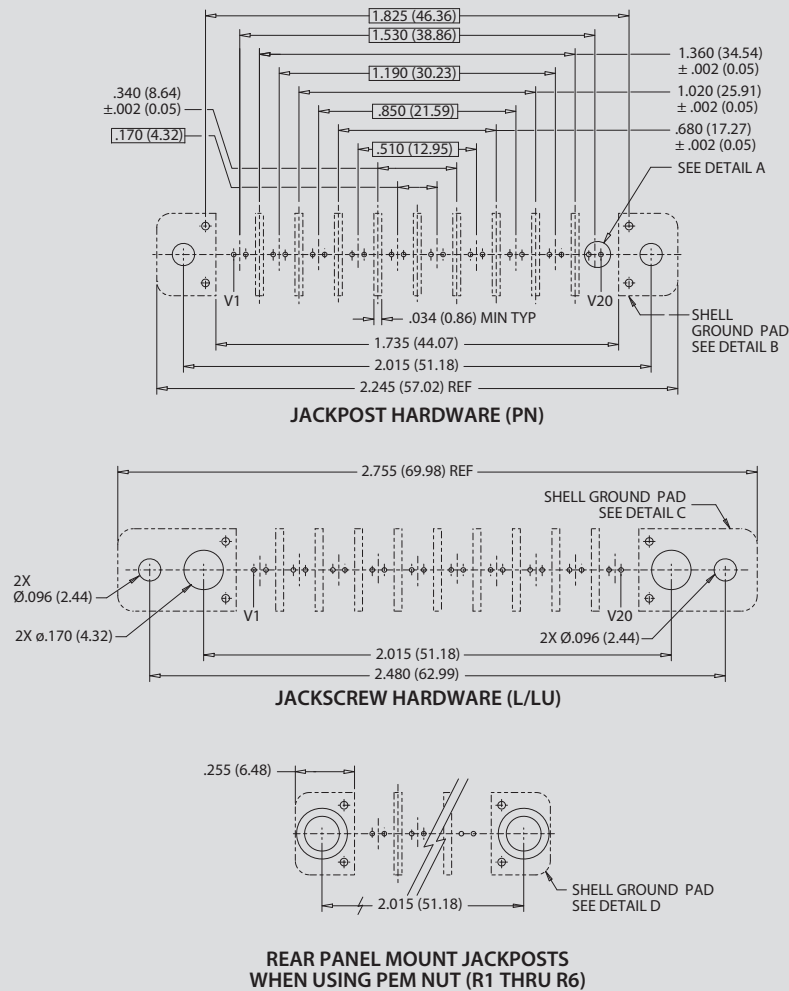
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

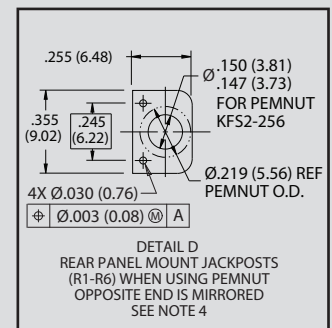
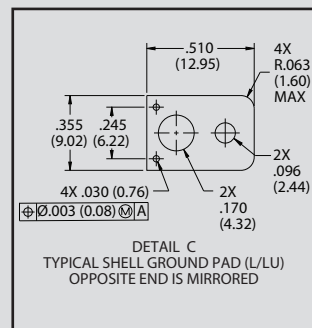
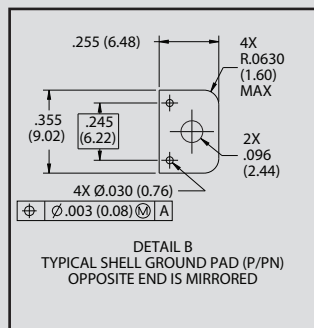
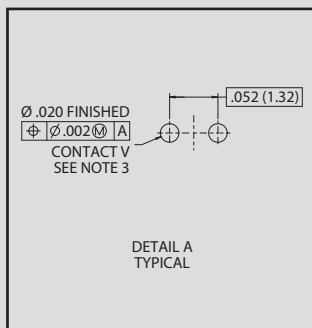


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 10-0



MICRO-D VERSALINK CONNECTORS



NOTES

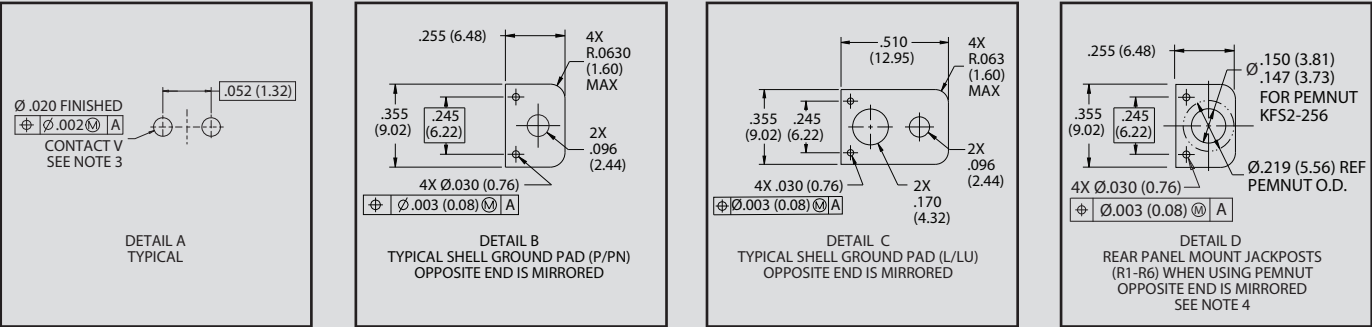
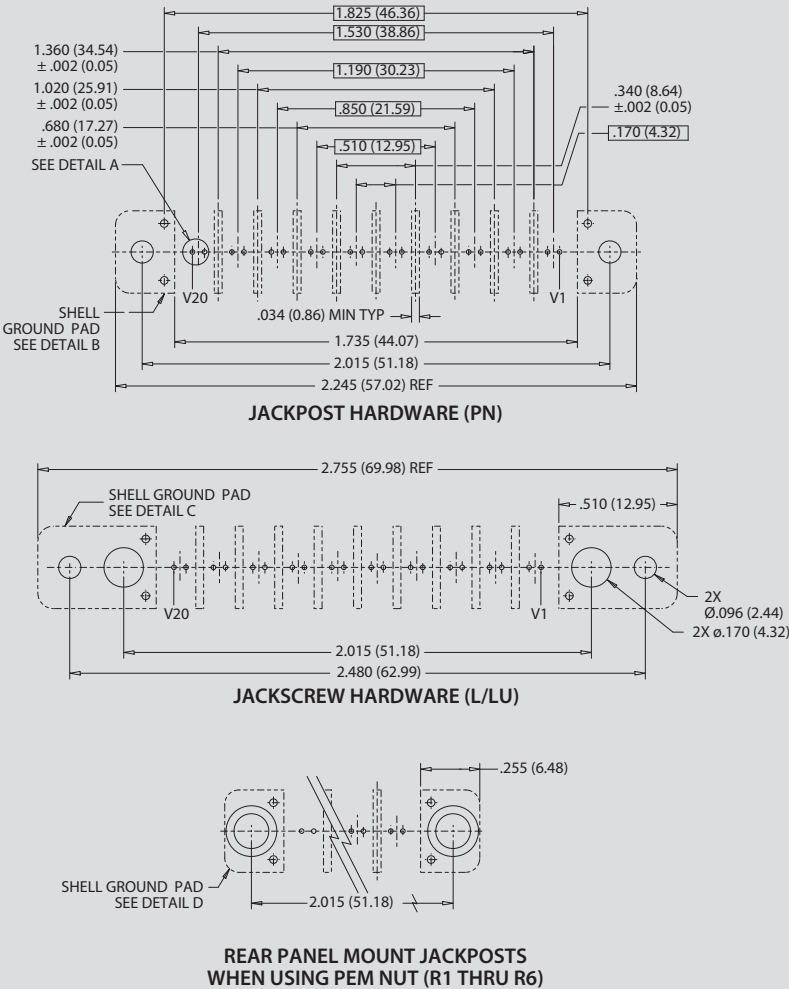
- Patterns shown are for connector mounting side of PC board.
- Reference GVLM-BS for connector details.
- Reference application notes AN0005 for optimal performance.
- PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint 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

Receptacle Layout 10-0



NOTES

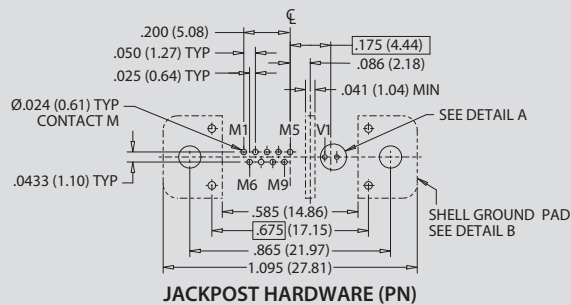
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

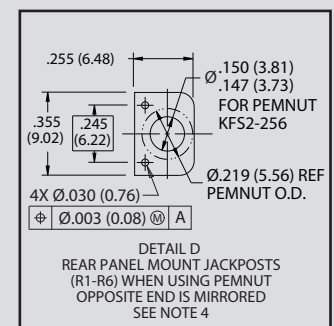
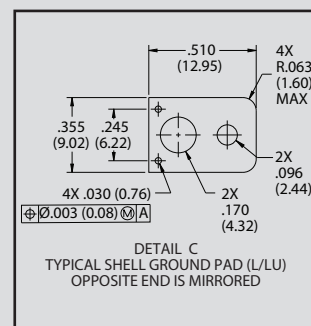
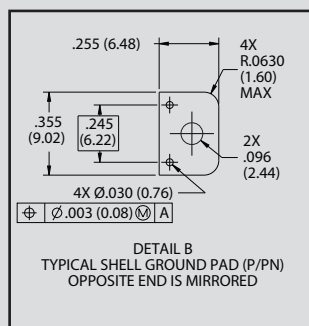
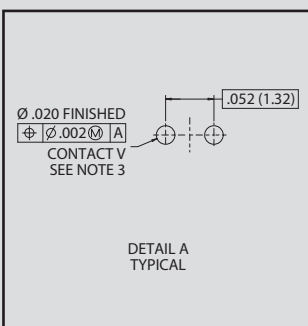
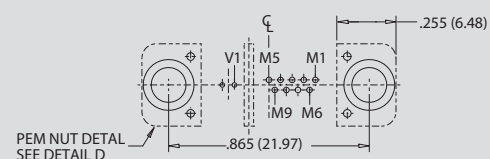
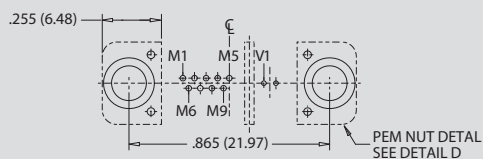
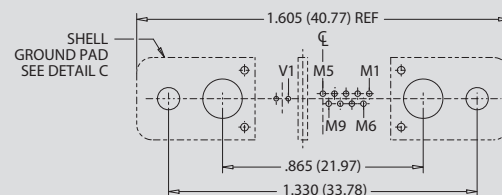
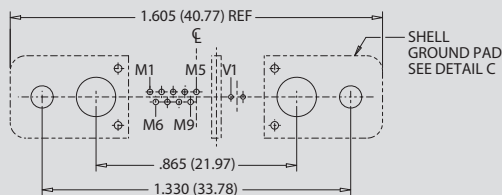
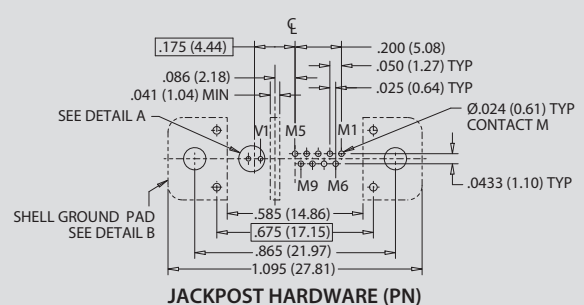


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 1-9



Receptacle Layout 1-9



NOTES

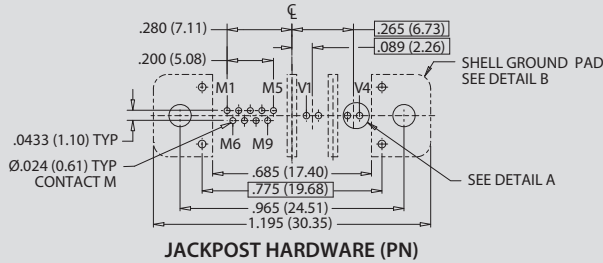
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

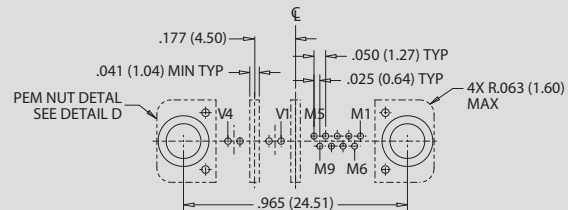
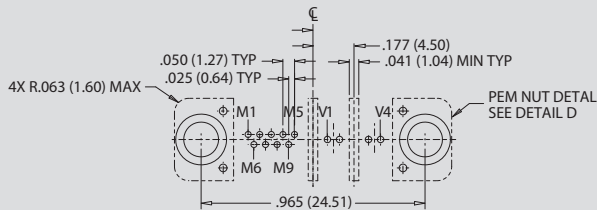
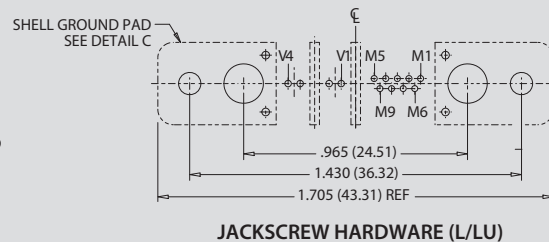
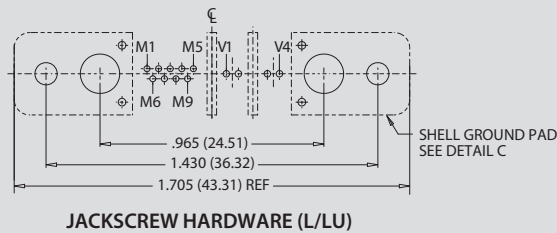
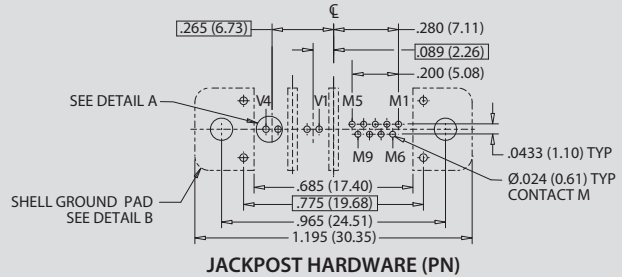


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-9

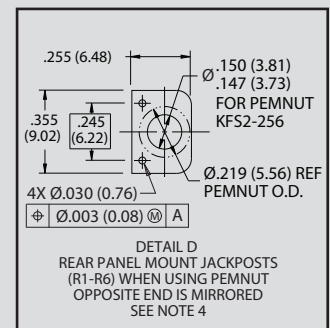
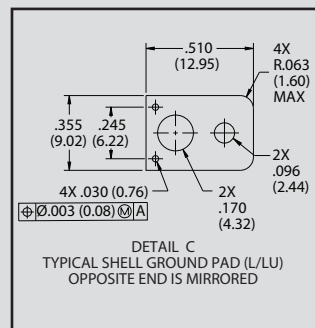
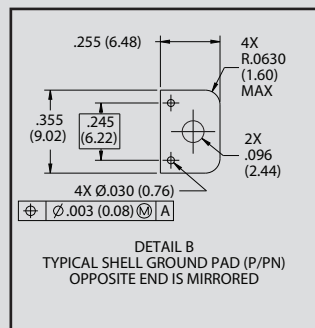
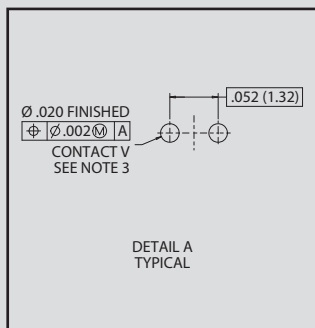


Receptacle Layout 2-9



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

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



NOTES

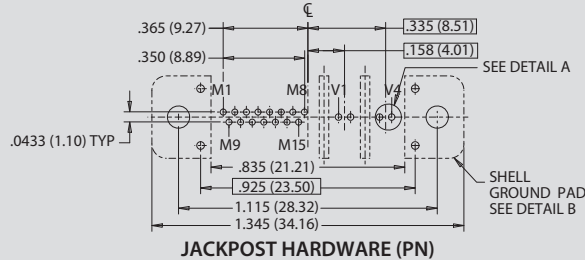
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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



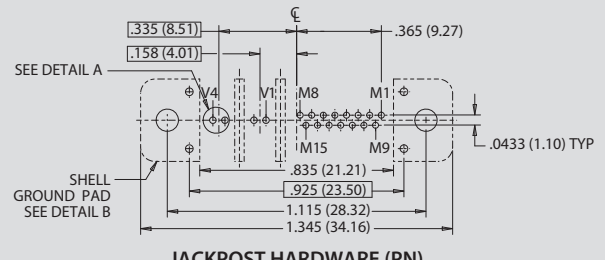
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-15

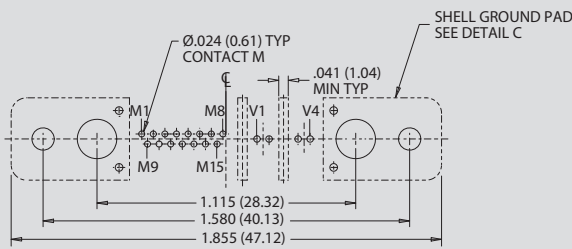


JACKPOST HARDWARE (PN)

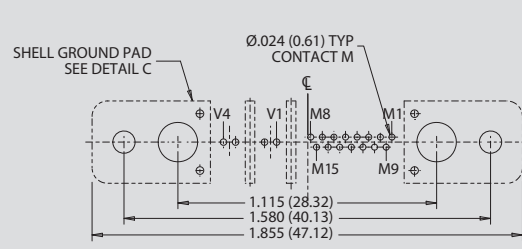
Receptacle Layout 2-15



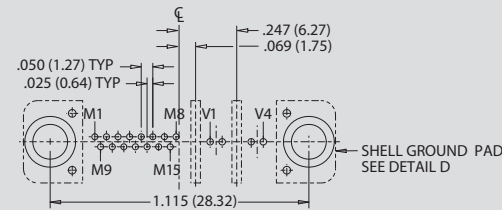
JACKPOST HARDWARE (PN)



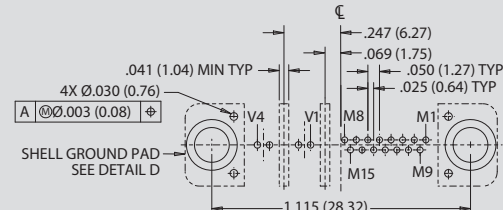
JACKSCREW HARDWARE (L/LU)



JACKSCREW HARDWARE (L/LU)

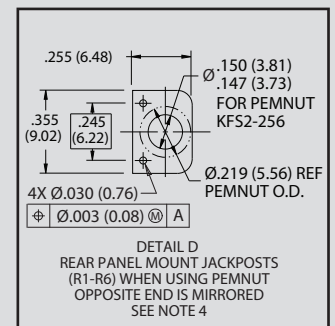
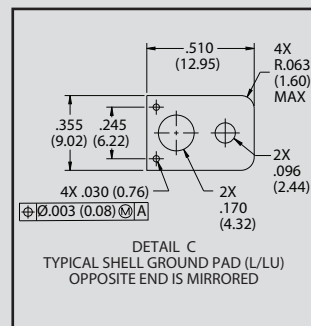
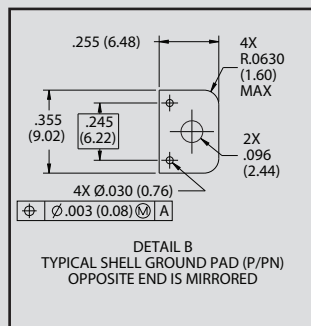
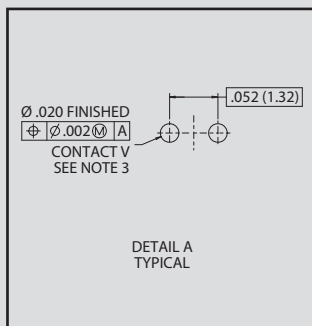


**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**



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

MICRO-D VERSALINK CONNECTORS



NOTES

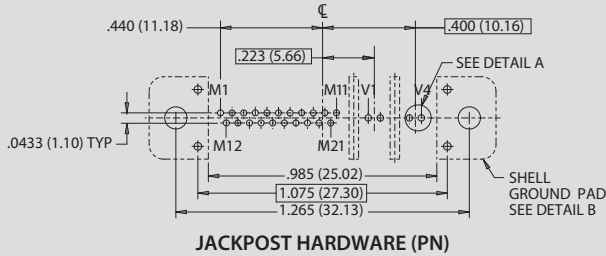
- Patterns shown are for connector mounting side of PC board.
- Reference GVLM-BS for connector details.
- Reference application notes AN0005 for optimal performance.
- PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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



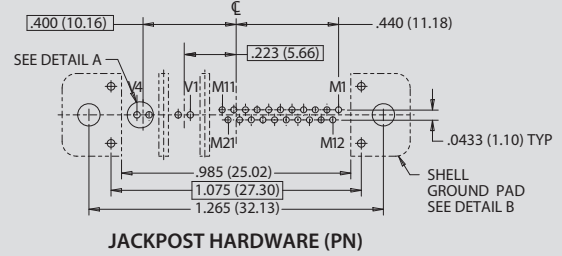
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 2-21

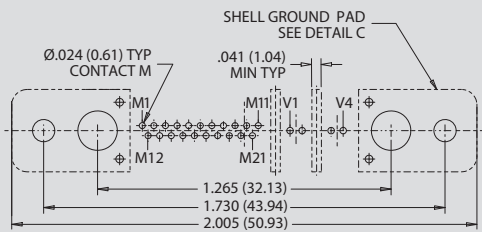


JACKPOST HARDWARE (PN)

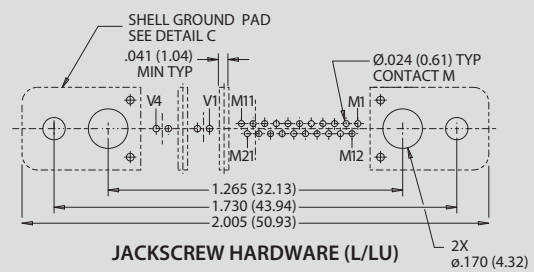
Receptacle Layout 2-21



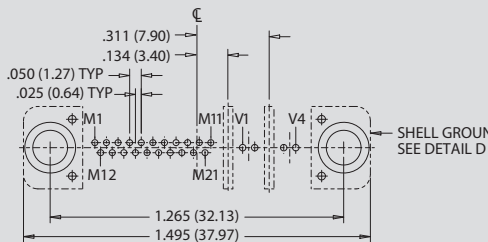
JACKPOST HARDWARE (PN)



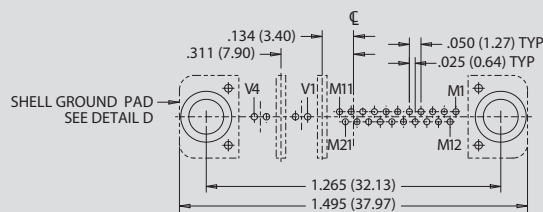
JACKSCREW HARDWARE (L/LU)



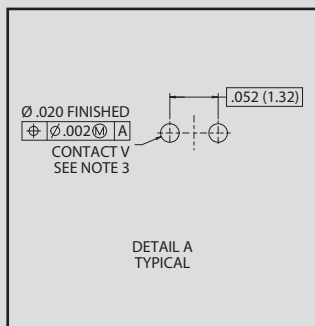
JACKSCREW HARDWARE (L/LU)



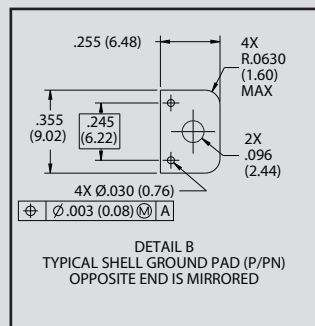
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



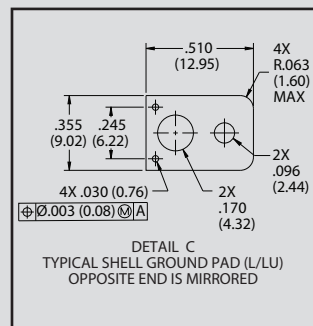
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



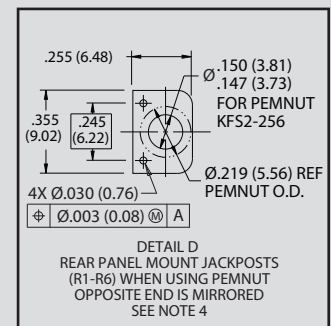
DETAIL A
TYPICAL



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

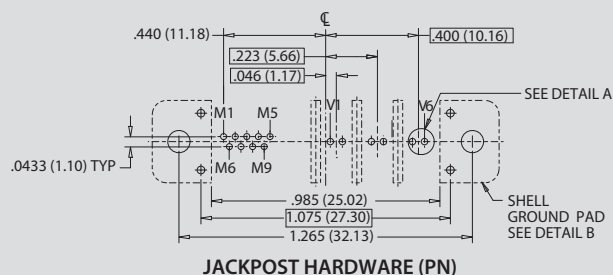
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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



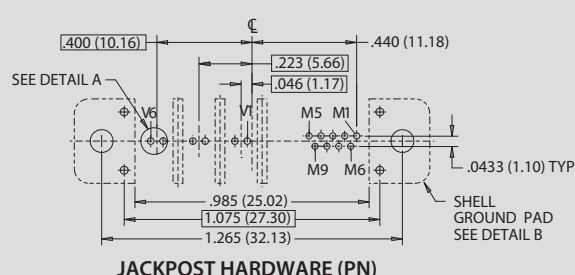
GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

Plug Layout 3-9

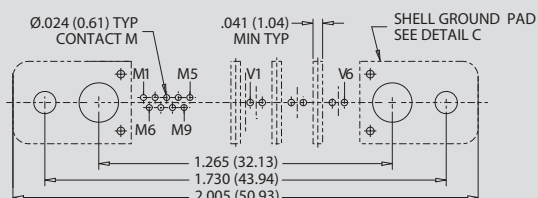


JACKPOST HARDWARE (PN)

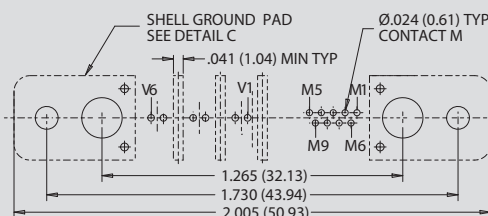
Receptacle Layout 3-9



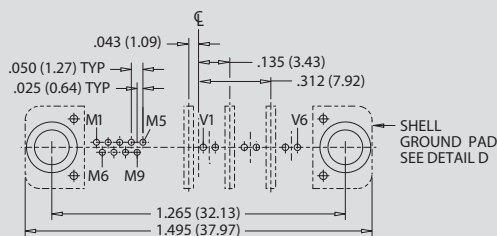
JACKPOST HARDWARE (PN)



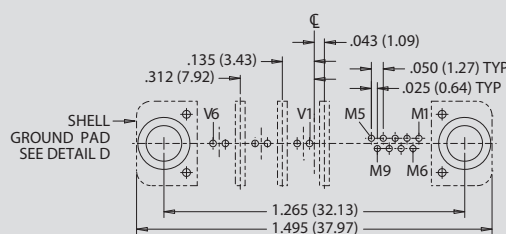
JACKSCREW HARDWARE (L/LU)



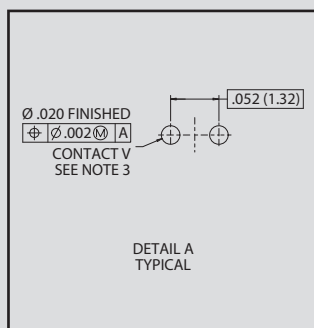
JACKSCREW HARDWARE (L/LU)



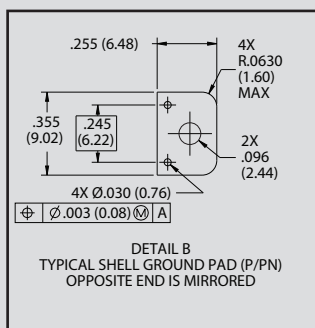
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)



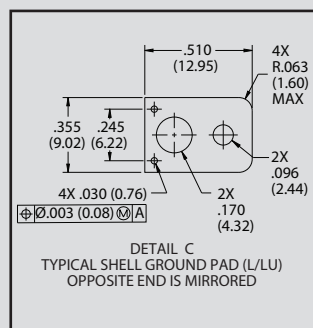
REAR PANEL MOUNT JACKPOSTS



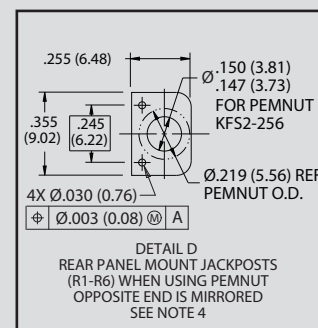
DETAIL A
TYPICAL



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

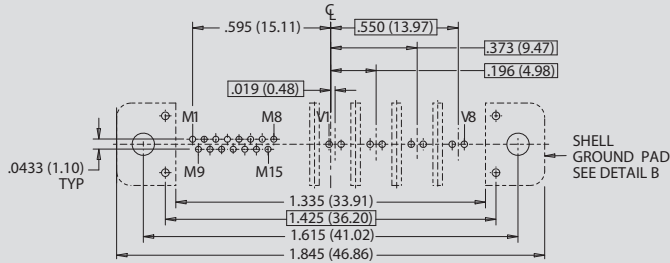
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

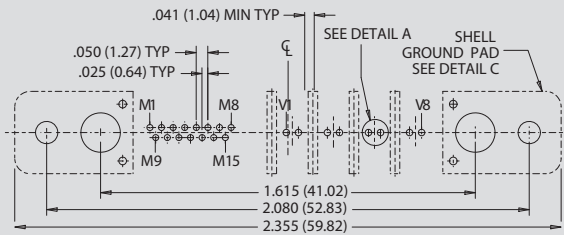


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

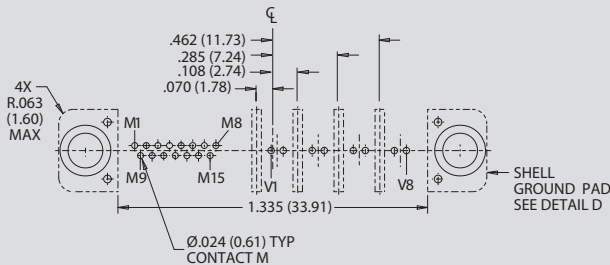
Plug Layout 4-15



JACKPOST HARDWARE (PN)

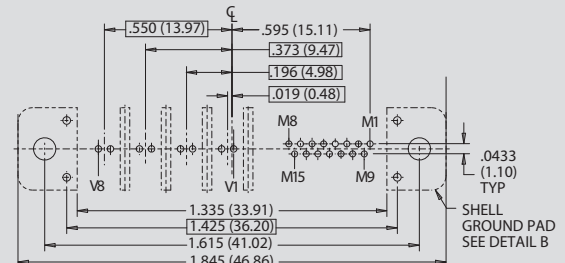


JACKSCREW HARDWARE (L/LU)

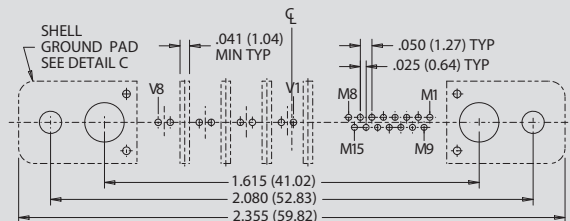


**REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT (R1 THRU R6)**

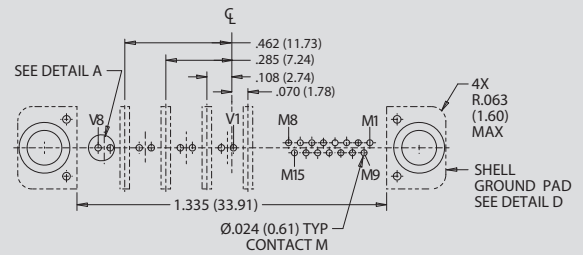
Receptacle Layout 4-15



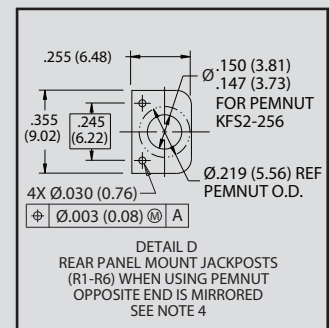
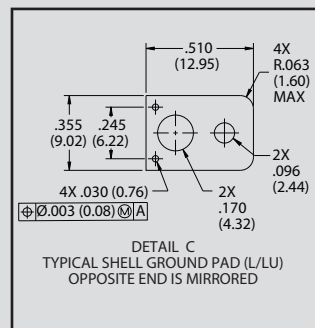
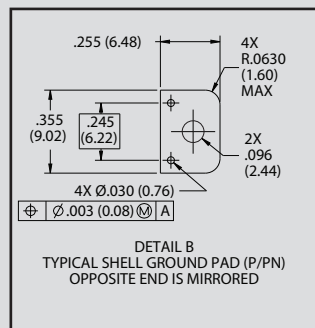
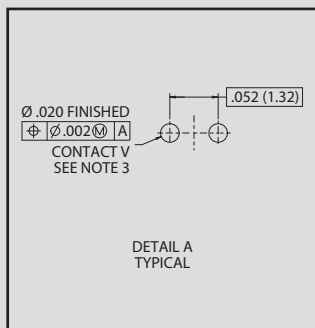
JACKPOST HARDWARE (PN)



JACKSCREW HARDWARE (L/LU)



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



NOTES

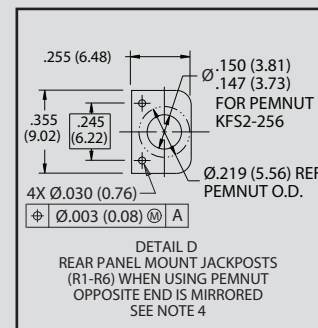
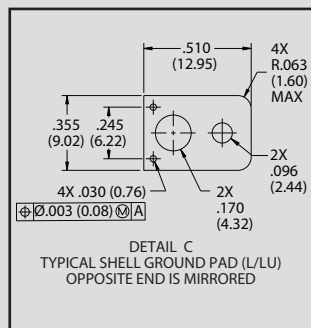
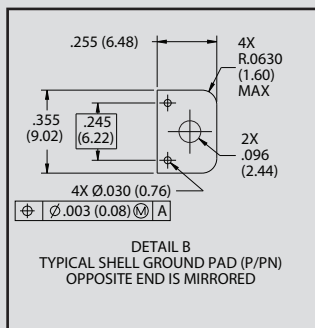
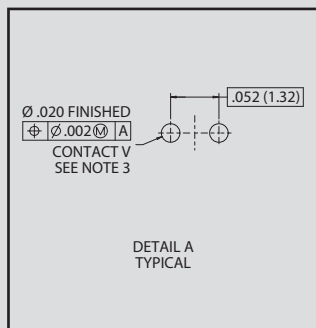
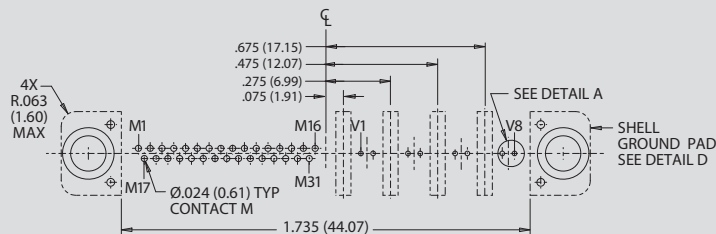
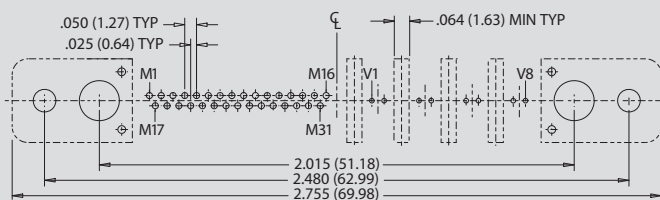
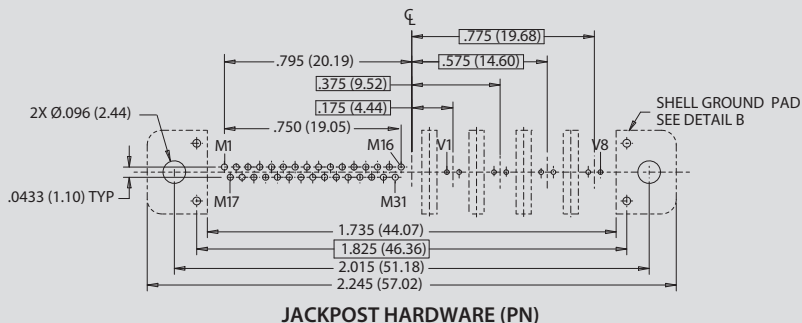
- Patterns shown are for connector mounting side of PC board.
- Reference GVLM-BS for connector details.
- Reference application notes AN0005 for optimal performance.
- PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint 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 4-31



NOTES

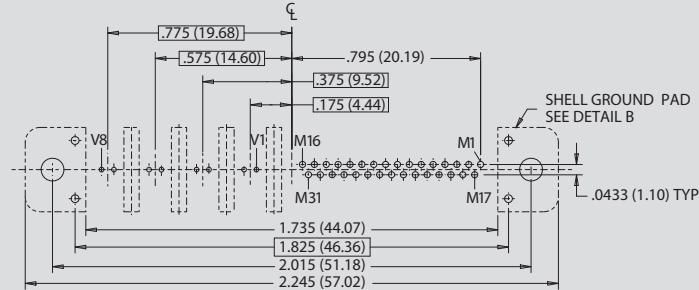
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

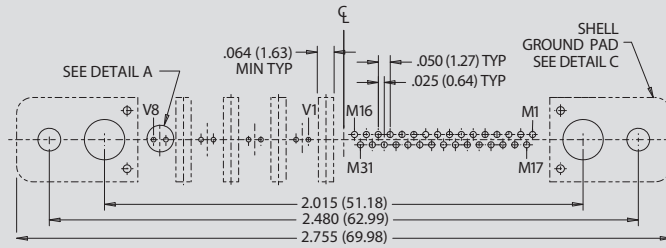


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

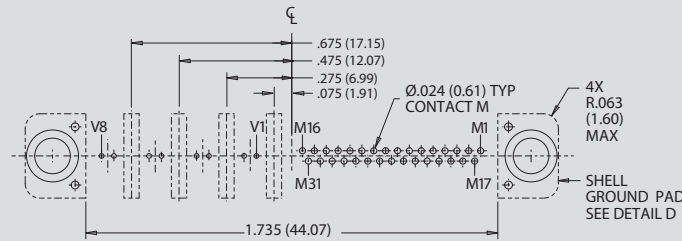
Receptacle Layout 4-31



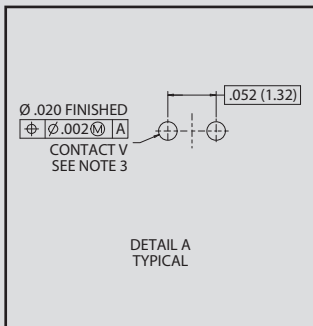
JACKPOST HARDWARE (PN)



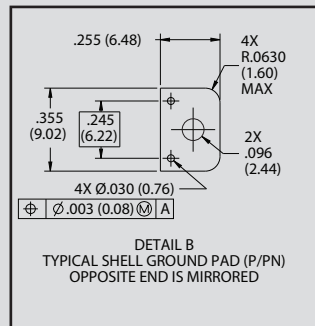
JACKSCREW HARDWARE (L/LU)



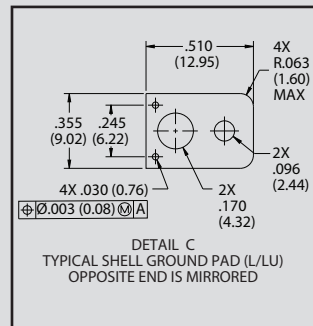
REAR PANEL MOUNT JACKPOSTS WHEN USING PEM NUT (R1 THRU R6)



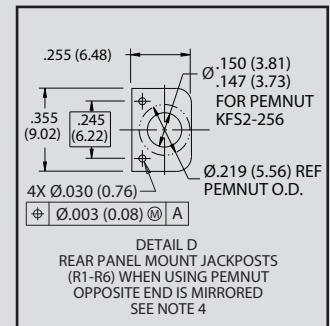
DETAIL A
TYPICAL



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



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



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

NOTES

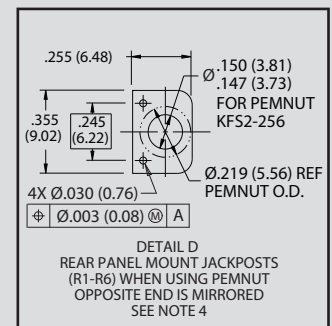
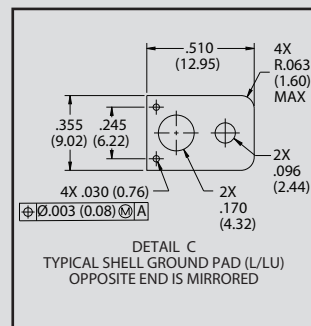
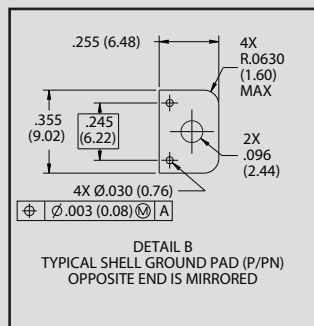
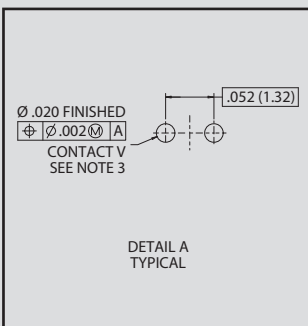
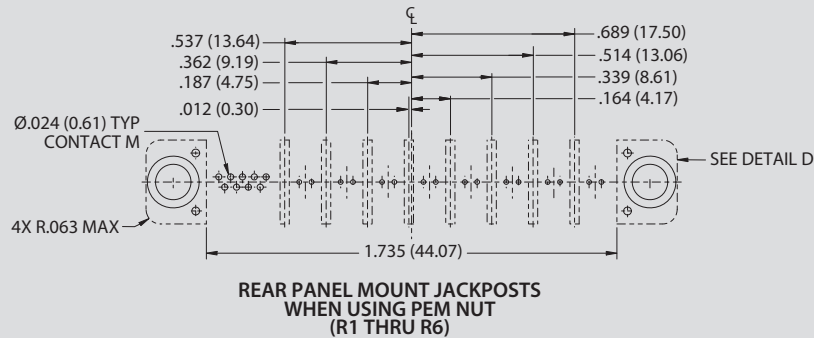
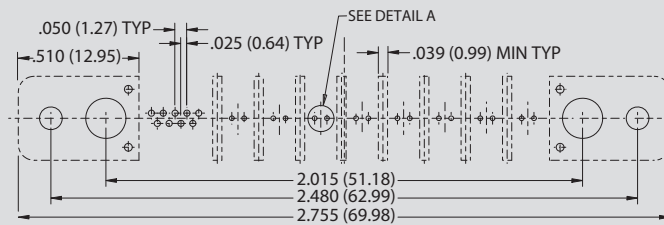
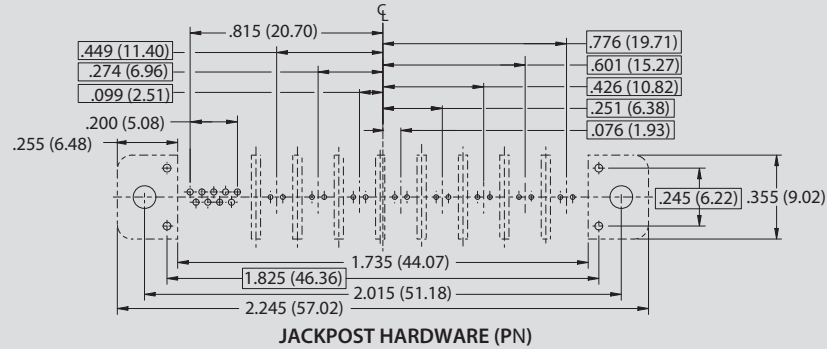
1. Patterns shown are for connector mounting side of PC board.
2. Reference GVLM-BS for connector details.
3. Reference application notes AN0005 for optimal performance.
4. PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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



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

Plug Layout 8-9



NOTES

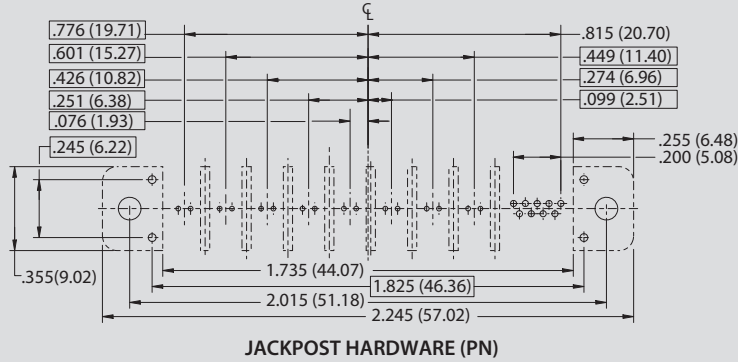
- Patterns shown are for connector mounting side of PC board.
- Reference GVLM-BS for connector details.
- Reference application notes AN0005 for optimal performance.
- PEM nuts are the recommended solution for rear panel mount hardware. When using loose nuts to secure to panel, use the same footprint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

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

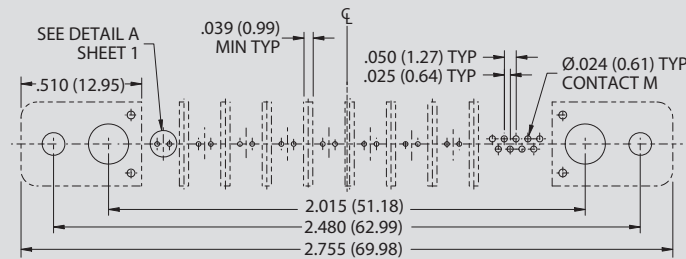


GVLM-1000: GVLM-BS, Straight PCB Connector Footprints, VersaLink PCB Layout

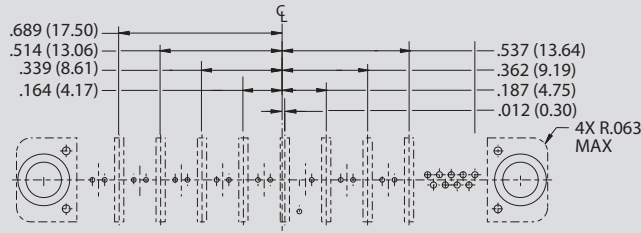
Receptacle Layout 8-9



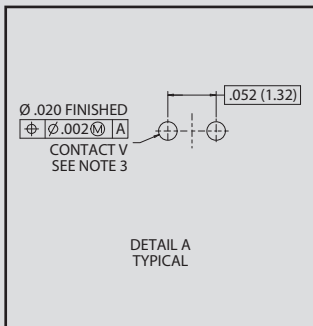
JACKPOST HARDWARE (PN)



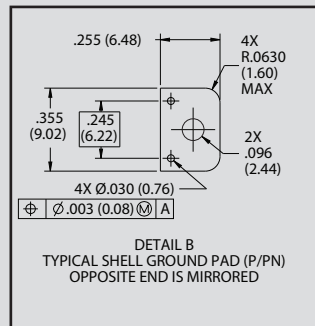
JACKSCREW HARDWARE (L/LU)



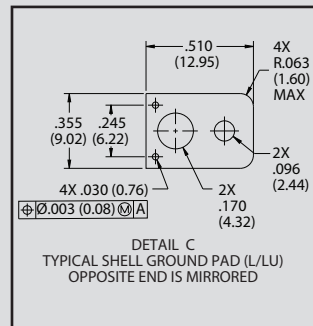
REAR PANEL MOUNT JACKPOSTS
WHEN USING PEM NUT
(R1 THRU R6)



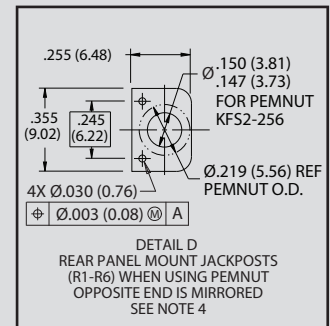
DETAIL A
TYPICAL



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

- Patterns shown are for connector mounting side of PC board.
- Reference GVLM-BS for connector details.
- 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.