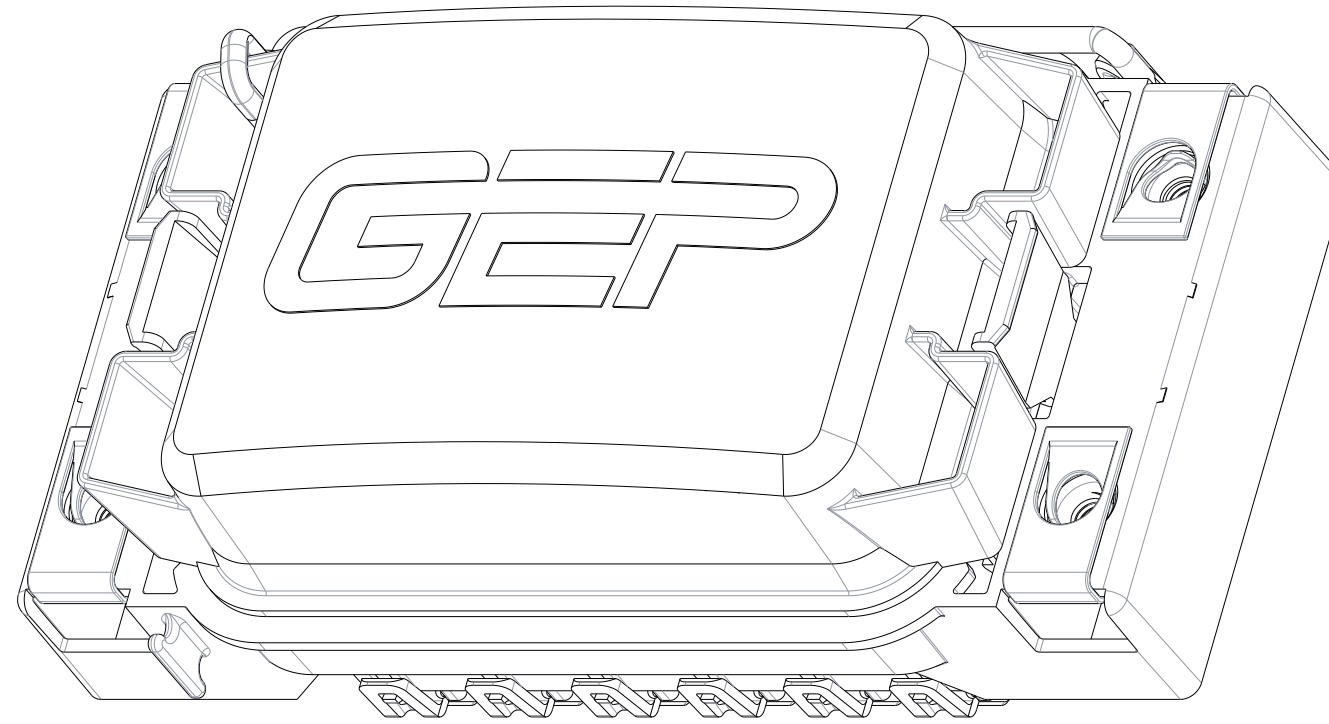


REV	REVISION DETAILS	ECO	DATE	BY	ABY
0	RELEASE FOR PRODUCTION	N/A	09AUG2017	RRR	JML
1	UPDATE DIMENSION TO REF. AND CORRECT	NP-2286	23JAN2020	JJW	JML
2	UPDATE FORMAT, ADDITION OF -2 SEAL SC14-2008A-B015, CORRECT REF TABLE A I2077413 TO 3mm2, ADD COLOR TO SEAL DESCRIPTION SHEET 3, COVERS WITH TETHERS TO OBSOLETE, TOP MOUNT 6mm TO OBSOLETE, CLARIFIED TERMINALS NOTES 3, 4, TABLE A AND TABLE B, ADDED M6 TO PDM-TMC, ADDED PDM-UXFXXX TERMINAL NUMBER VIEW AND CLARIFIED QTY IN PDM-UTI AND PDM-UT5 NOTES	NP-003712	27MAY2021	JJW	JML
3	PART NUMBER WAS PDM-UXXXX. UPDATED DESCRIPTION. UPDATED TO CURRENT DRAWING STANDARDS.	NP-003761	15JAN2024	JWK	JML
4	UPDATED TO LATEST DRAWING STANDARDS. UPDATED NOTES. ADDED SHEET FOR NEW HOUSING/SEAL/CLIP ASSEMBLIES.	NP-006712	15APR2025	JWK	JML
5	CORRECTED PART NUMBERS - SC42-2008A-A001 WAS SC42-2008A-B001, SC42-2008B-A001 WAS SC42-2008B-B001.	NP-006900	12JUN2025	JWK	JTW
6	CORRECTED PART NUMBERS - SC42-2008A-B001 WAS SC42-2008A-A001, SC42-2008B-B001 WAS SC42-2008B-A001.	NP-006957	17JUL2025	JWK	JML
7	SHT 7: ADDED VENTED COVER OPTION SC42-2017A-A001. SHT 8: ADDING CAVITY PLUG WITH SEAL SC55-2000A-A001	NP-007404	30APR2026	JWK	JML



ISO VIEW  
FOR REF ONLY

**CONFIDENTIAL**

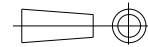
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CRITICAL DIMENSIONS ON FEATURES TO BE CHECKED DURING ANY SET-UP ADJUSTMENTS, TOOL CHANGES, OR ANNUAL MAINTENANCE ON TOOLING.

DIMENSIONS OR FEATURES TO BE CHECKED FROM RUN-TO-RUN

TOLERANCES UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION



METRIC TOL	ENGLISH TOL
------------	-------------

ANGULAR TOL =  $\pm 2^\circ$   
FRACTION TOL =  $\pm 1/64$  IN

1 PL DEC. = $\pm .25$	2 PL DEC. = $\pm .01$
2 PL DEC. = $\pm .13$	3 PL DEC. = $\pm .005$

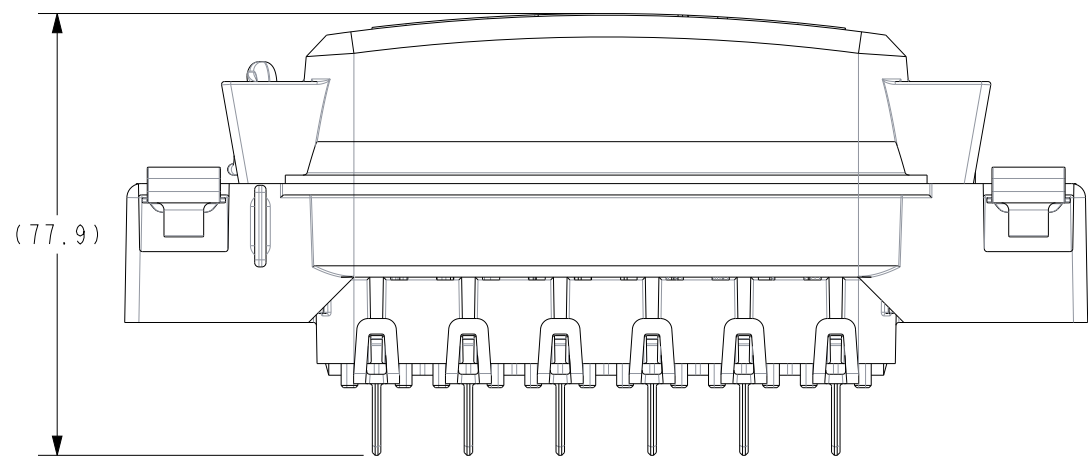
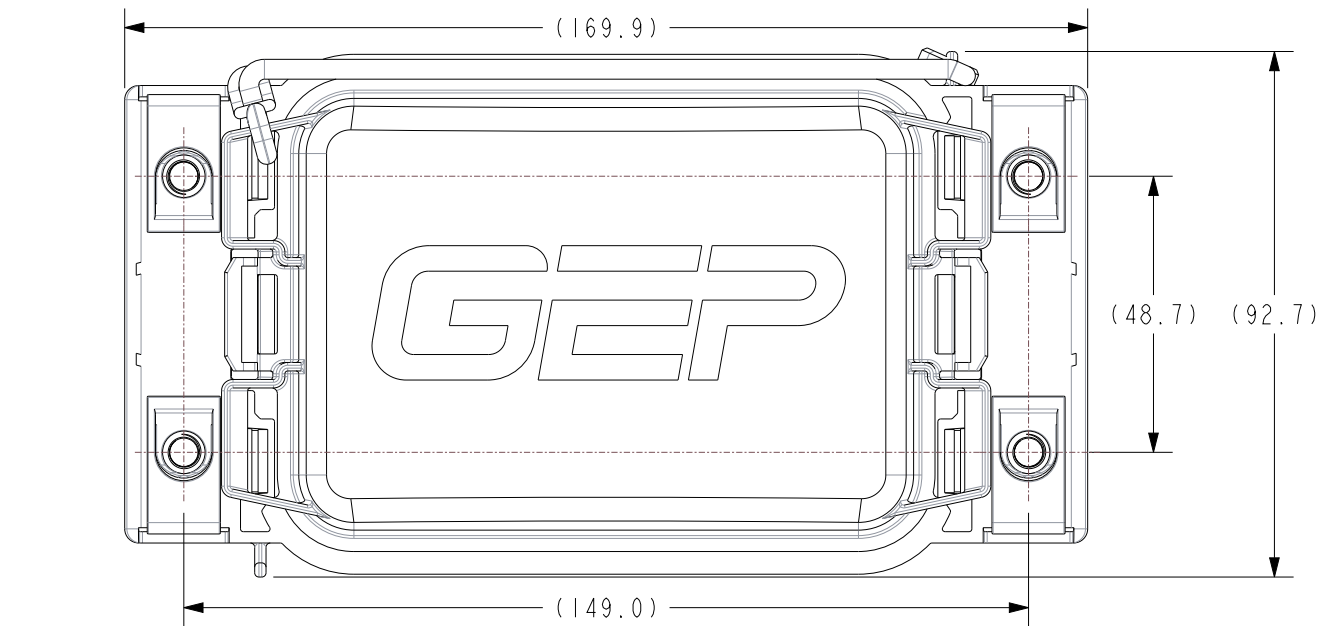
DIMENSIONS INSIDE PARENTHESES OR CONTAINING "REF" ARE FOR REFERENCE ONLY.

COPYRIGHT - GEP POWER PRODUCTS

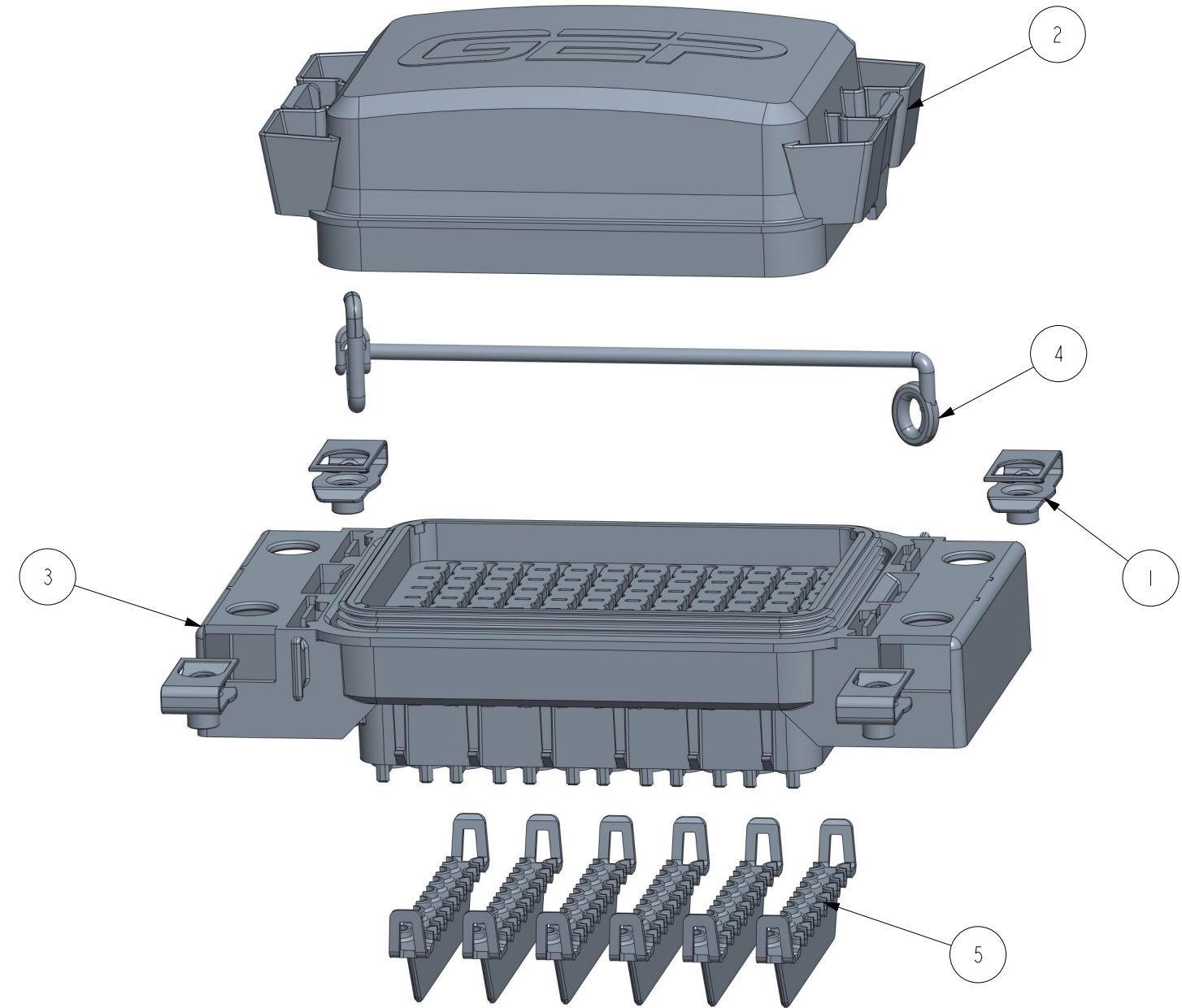
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		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	1 OF 11	1:1	B

# EXAMPLE CONFIGURATION & NOTES



EXAMPLE CONFIGURATION WITH DIMENSIONAL INFO



EXAMPLE CONFIGURATION EXPLODE VIEW

**NOTES:**

1. HOUSING & COVER MATERIAL: PBT POLYESTER
2. HOUSING & COVER FINISH/COLOR: MATTE/BLACK
3. SEAL COLOR: BLUE
4. CORRECT TERMINAL SEALS AND/OR CAVITY PLUGS MUST BE USED TO INSURE A SEALED UNIT
5. RECOMMENDED MAXIMUM MOUNTING TORQUE: 40 IN-LBS
6. DIMENSIONS ARE FOR REFERENCE ONLY
7. RoHS AND REACH COMPLIANT

EXAMPLE CONFIGURATION BOM			
ITEM	DESCRIPTION	PART NO.	QTY
1	CLIP - M6 - 1 U-SPRING NUT	PDM-TMC	4
2	COVER - PDM-U, GEP	PDM-UC	1
3	HOUSING AND SEAL - PDM-U, 96 POS, 280 TERM, 10MM	SC42-2008A-B001	1
4	TETHER - COVER	PDM-SCT	1
5	TPA - 280 TERMINALS	PDM-UT1	6

**GEP POWER PRODUCTS** 16830 Pheasant Drive Brookfield, WI 53005

PART NO: PDM-U SERIES (SALES)

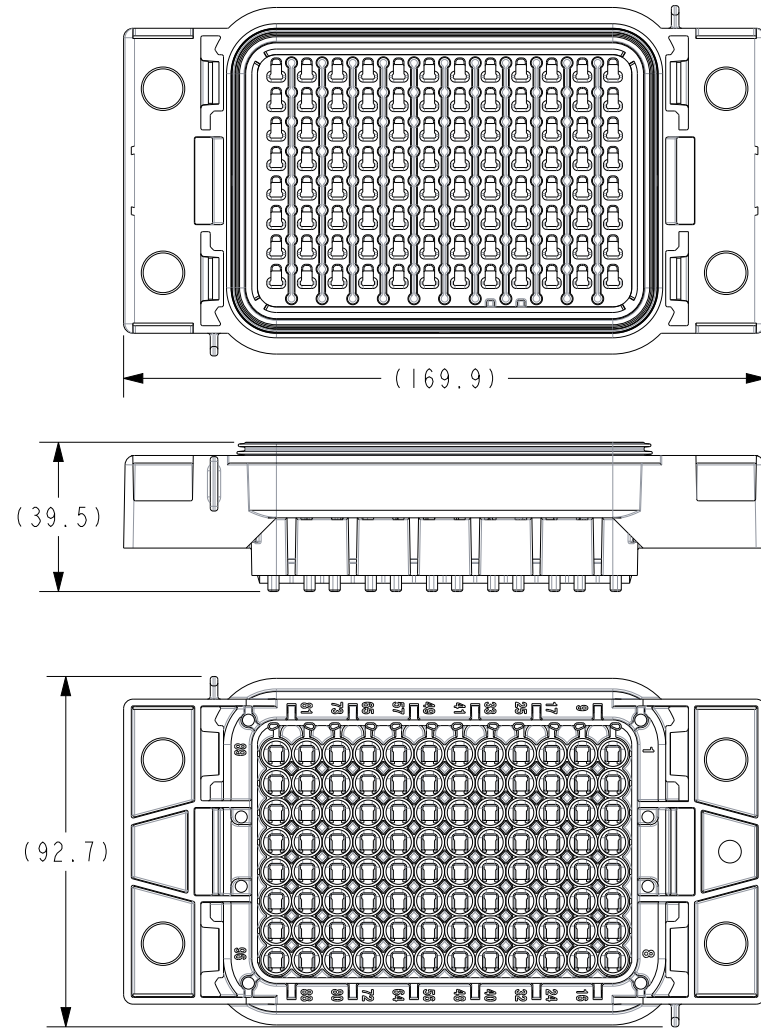
DESCRIPTION: POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING

CUSTOMER: STANDARD

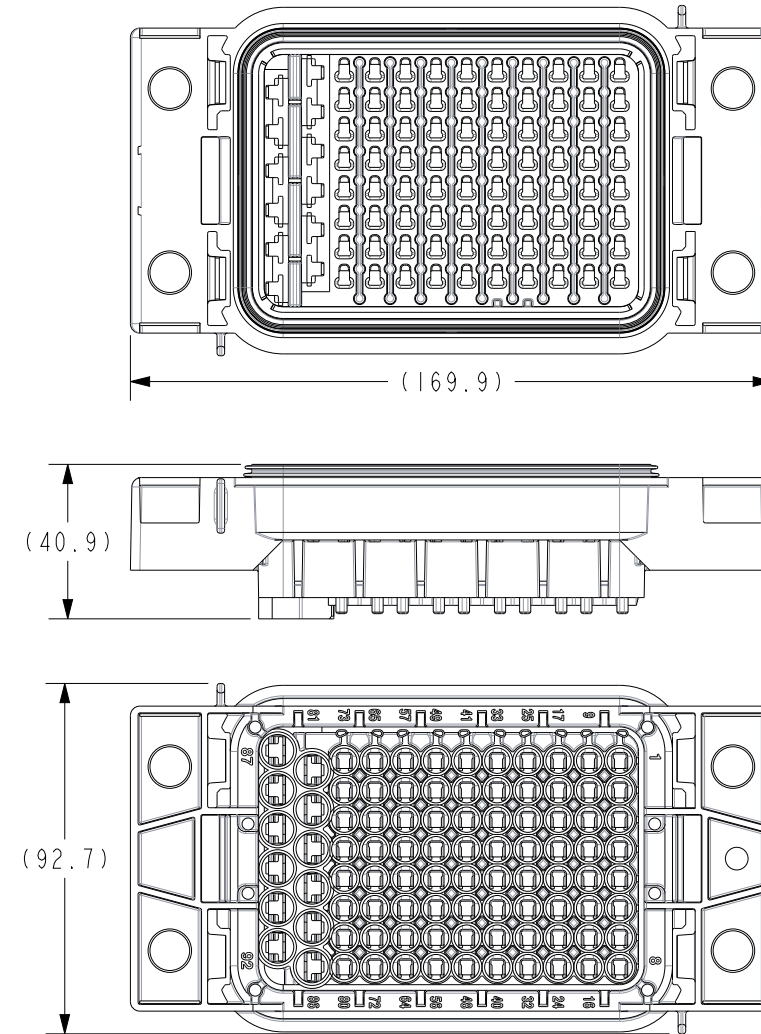
METRIC (MM)	REV 7	SHEET 2 OF 11	SCALE 1:1.333	SIZE B
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# HOUSING W/SEAL OPTIONS

SC42-2008A-B001  
 HOUSING AND SEAL - PDM-U, 96 POS, 280 TERM, 10MM  
 SEE NOTE 4



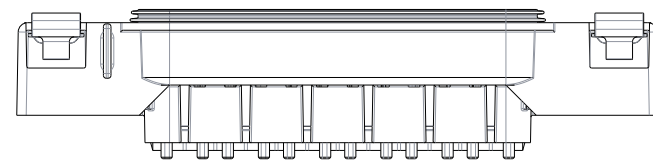
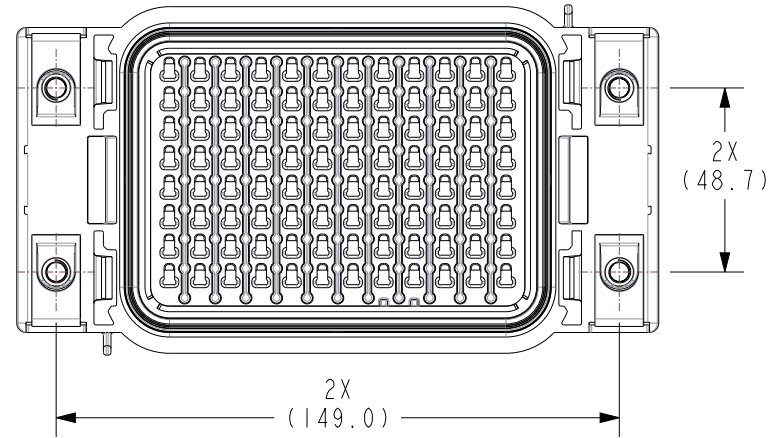
SC42-2008B-B001  
 HOUSING AND SEAL - PDM-U, 92 POS, 280 AND ATO TERM, 10MM  
 SEE NOTE 5



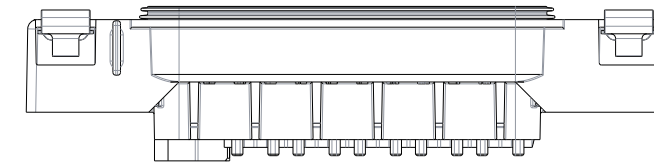
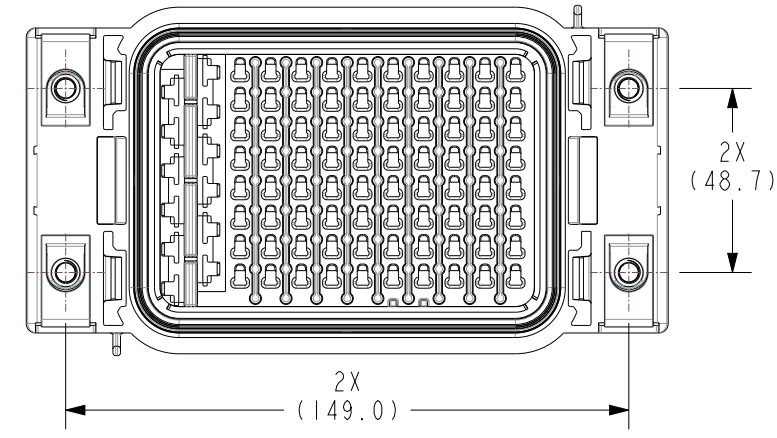
<b>GEP</b> POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	3 OF 11	1:2	B

# HOUSING W/SEAL & SIDE MOUNT CLIPS OPTIONS

SC42-2036A-A001  
HOUSING AND SEAL - PDM-U -  
280 TERM - TM CLPS



SC42-2036B-A001  
HOUSING AND SEAL - PDM-U -  
280 AND ATO TERM - TM CLPS

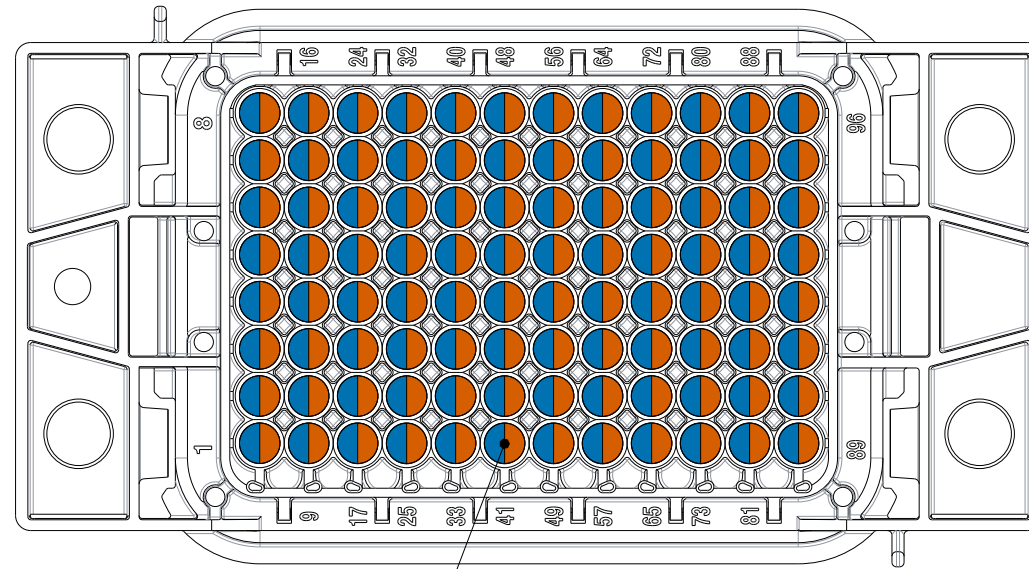


NOTE: MOUNTING CLIPS CAN ALSO BE PURCHASED SEPARATELY.  
SEE SHEET 10 FOR ASSEMBLY INSTRUCTIONS.

<b>GEP</b> POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	4 OF 11	1:1	B

# TERMINAL AND CABLE SEAL INFORMATION

## SC42-2008A-B001, SC42-2036A-A001



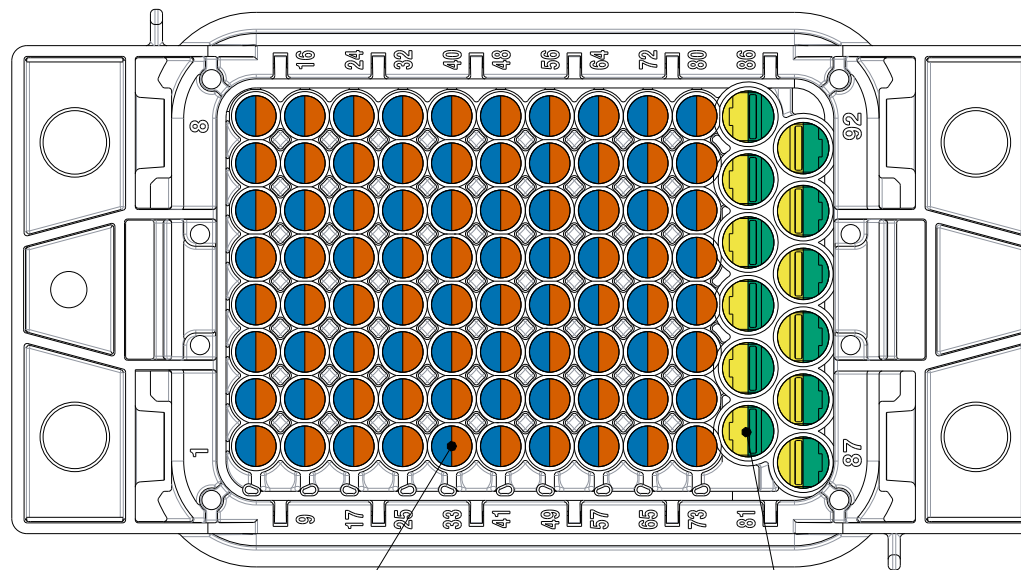
280 CAVITIES  
SEE TABLE A FOR TERMINALS  
AND CABLE SEALS

<b>Table A</b>			<b>REV 2</b>
<b>APTIV (DELPHI) 280 METRI-PACK TERMINALS</b>			
PART NUMBER	CABLE RANGE (mm <sup>2</sup> )	MATERIAL	PLATING
12077413	3	TIN BRASS	TIN
12129493	2.0-3.0	TIN BRASS	TIN
12077411	0.8-1.0	TIN BRASS	TIN
12084201	0.35-0.50	TIN BRASS	TIN
12176387	5	BERYLLIUM COPPER	SILVER/NICKEL
12176388	2.0-3.0	BERYLLIUM COPPER	SILVER/NICKEL
12176389	0.8-1.0	BERYLLIUM COPPER	SILVER/NICKEL
<b>APTIV (DELPHI) 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)</b>			
PART NUMBER	CABLE DIAMETER	MATERIAL	COLOR
15324981	3.45-4.3	SILICONE	BLUE
15324980	2.81-3.49	SILICONE	LT. GRAY
15324982	2.03-2.85	SILICONE	GREEN
15324984	2.03-2.42	SILICONE	TAN
15324985	1.6-2.15	SILICONE	PURPLE
15324983	1.29-1.70	SILICONE	DK. RED
12010300	PLUG	SILICONE	GREEN
<b>DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)</b>			
PART # 12094430			

		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	5 OF 11	1:1	B

# TERMINAL AND CABLE SEAL INFORMATION

## SC42-2008B-B001, SC42-2036B-A001



280 CAVITIES  
SEE TABLE A FOR TERMINALS  
AND CABLE SEALS

630 CAVITIES  
SEE TABLE B FOR TERMINALS  
AND CABLE SEALS

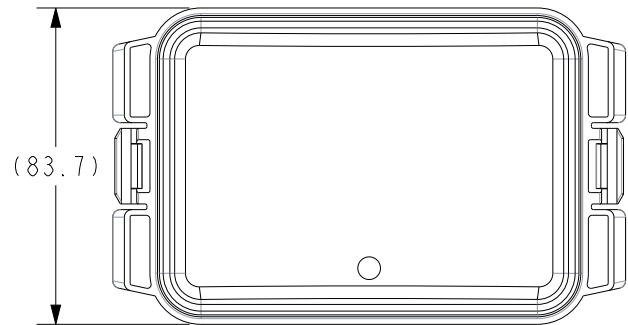
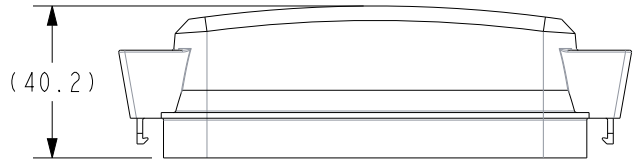
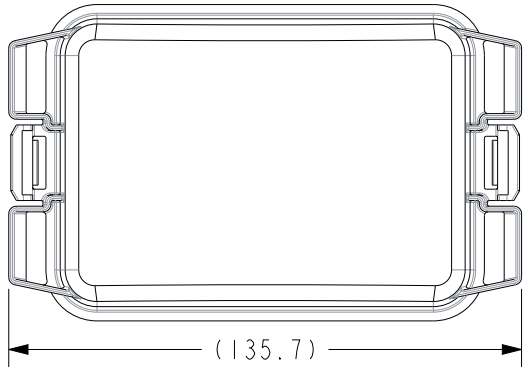
Table A			REV 2
APTIV (DELPHI) 280 METRI-PACK TERMINALS			
PART NUMBER	CABLE RANGE (mm <sup>2</sup> )	MATERIAL	PLATING
12077413	3	TIN BRASS	TIN
12129493	2.0-3.0	TIN BRASS	TIN
12077411	0.8-1.0	TIN BRASS	TIN
12084201	0.35-0.50	TIN BRASS	TIN
12176387	5	BERYLLIUM COPPER	SILVER/NICKEL
12176388	2.0-3.0	BERYLLIUM COPPER	SILVER/NICKEL
12176389	0.8-1.0	BERYLLIUM COPPER	SILVER/NICKEL
APTIV (DELPHI) 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)			
PART NUMBER	CABLE DIAMETER	MATERIAL	COLOR
15324981	3.45-4.3	SILICONE	BLUE
15324980	2.81-3.49	SILICONE	LT. GRAY
15324982	2.03-2.85	SILICONE	GREEN
15324984	2.03-2.42	SILICONE	TAN
15324985	1.6-2.15	SILICONE	PURPLE
15324983	1.29-1.70	SILICONE	DK. RED
12010300	PLUG	SILICONE	GREEN
DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)			
PART # 12094430			

Table B			REV 2
APTIV (DELPHI) 630 METRI-PACK TERMINALS			
PART NUMBER	RANGE (mm <sup>2</sup> )	MATERIAL	PLATING
15317331	4.00-6.00	TIN BRASS	TIN
12052456	3.00-5.00	TIN BRASS	TIN
12052455	1.00-2.00	TIN BRASS	TIN
12052457	0.50-0.80	TIN BRASS	TIN
15317332	4.00-6.00	BERYLLIUM COPPER	SILVER/NICKEL
15305232	3.00-5.00	BERYLLIUM COPPER	SILVER/NICKEL
APTIV (DELPHI) 480 METRI-PACK CABLE SEALS (REF. ONLY)			
NOTE: 630 CAVITIES IN THIS HOUSING ARE DESIGNED TO BE USED WITH 480 SERIES CABLE SEALS			
PART NUMBER	CABLE DIA.	MATERIAL	COLOR
15363779	1.20-2.00	SILICONE	YELLOW
15324991	1.60-2.15	SILICONE	YELLOW
15327998	2.00-2.70	SILICONE	BLUE
15324988	2.00-2.90	SILICONE	WHITE
15363604	2.00-2.90	SILICONE	WHITE
15324989	2.80-3.90	SILICONE	DK. RED
15327864	2.80-3.80	SILICONE	DK. RED
15363605	3.60-4.50	SILICONE	GREEN
10733145	4.40-5.10	SILICONE	GRAY
15344647	4.40-5.10	SILICONE	GRAY
35232480	PLUG	SILICONE	LT. GREEN
DELPHI METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)			
PART # 12094430			

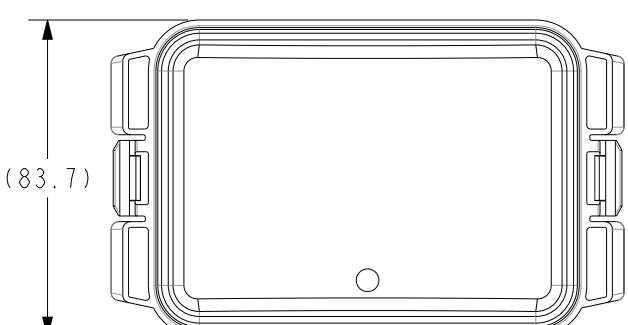
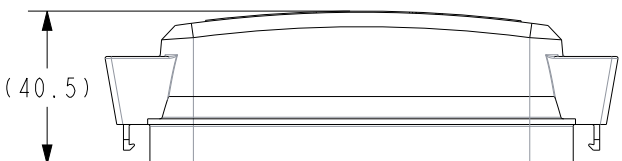
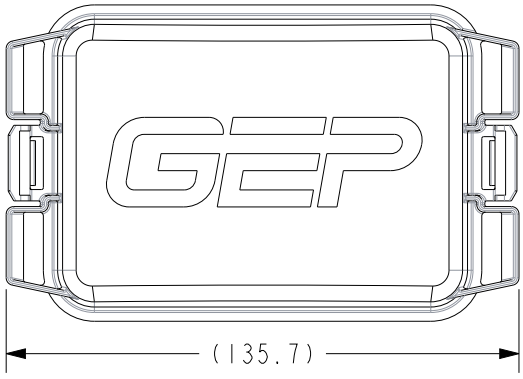
<b>GEP</b> POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	PDM-U SERIES (SALES)			
DESCRIPTION:	POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 7	SHEET 6 OF 11	SCALE 1:1	SIZE B

# COVER OPTIONS

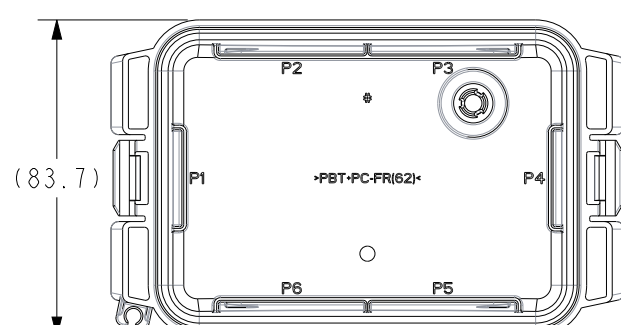
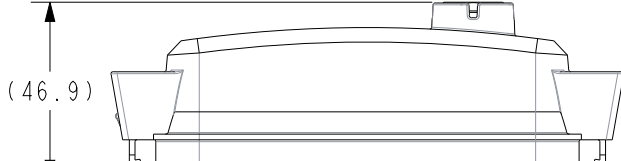
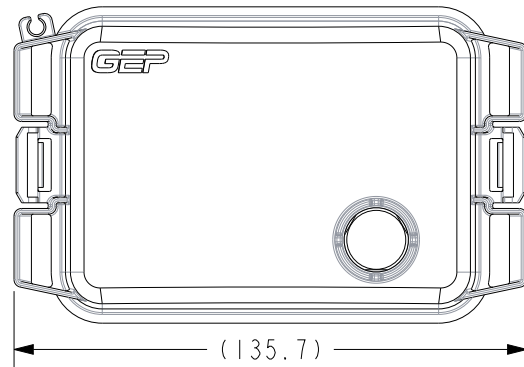
PDM-UCP  
COVER - PDM-U, PLAIN



PDM-UC  
COVER - PDM-U, GEP

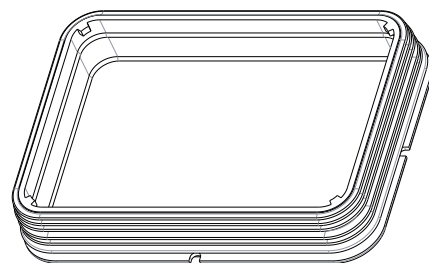


SC42-2017A-A001  
COVER WITH VENT - PDM-U - GEP

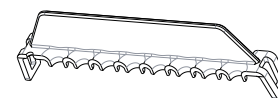


		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	7 OF 11	1:1	B

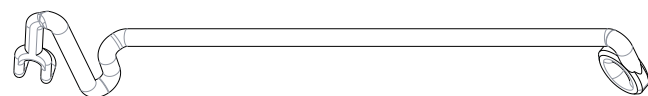
# ACCESSORY OPTIONS



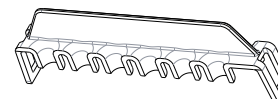
SC14-2008A-B015  
COVER SEAL BLUE  
(ENHANCED SEALING AND UL94 V0)  
(INCLUDED WITH SC42-2008A-B001,  
SC42-2008B-B001, SC42-2036A-A001,  
AND SC42-2036B-A001)



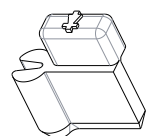
PDM-UT1  
280 TPA  
(6 PER ASSY REQUIRED FOR SC42-2008A-B001  
& SC42-2036A-A001)  
(5 PER ASSY REQUIRED FOR SC42-2008B-B001  
& SC42-2036B-A001)



PDM-SCT  
COVER TETHER

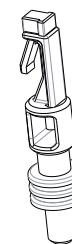


PDM-UT5  
630 TPA  
(1 PER ASSY REQUIRED FOR SC42-2008B-B001  
& SC42-2036B-A001)



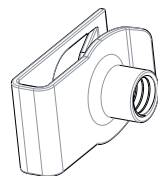
SCALE 2:1

PDM-TK  
DIODE KEY



SCALE 1:1

SC55-2000A-A001  
PLUG AND SEAL - PDM  
CAVITY PLUG - METRIPACK 280

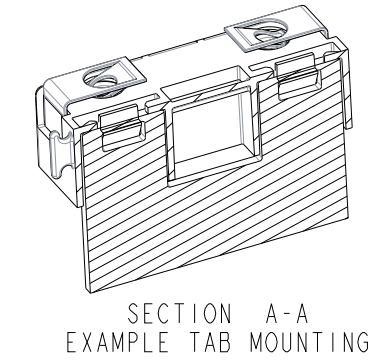
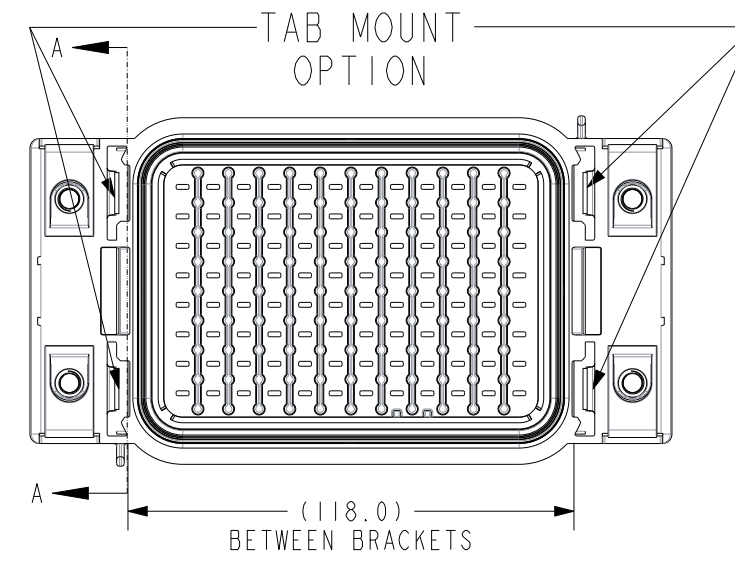
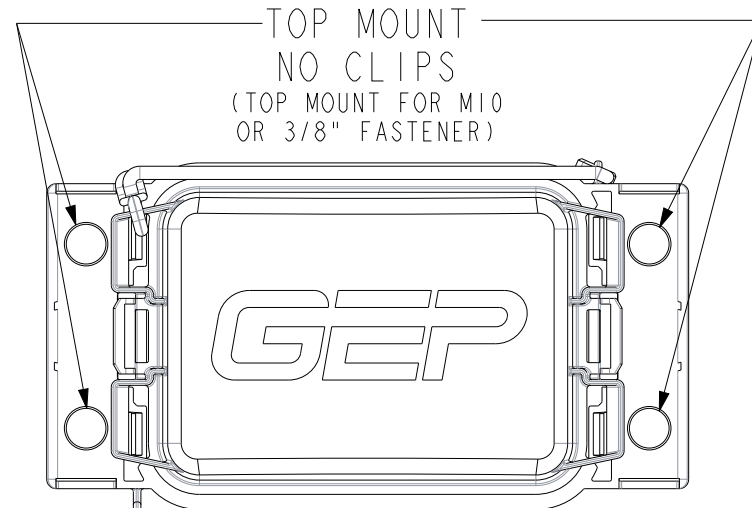
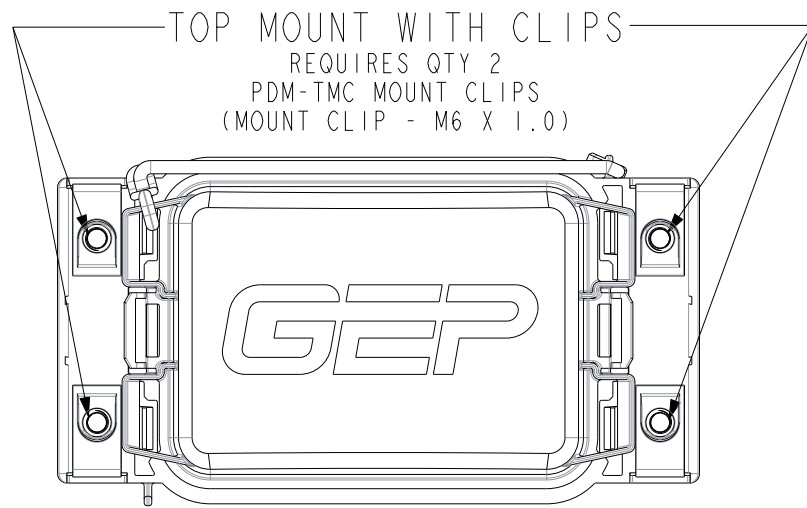


SCALE 1:1

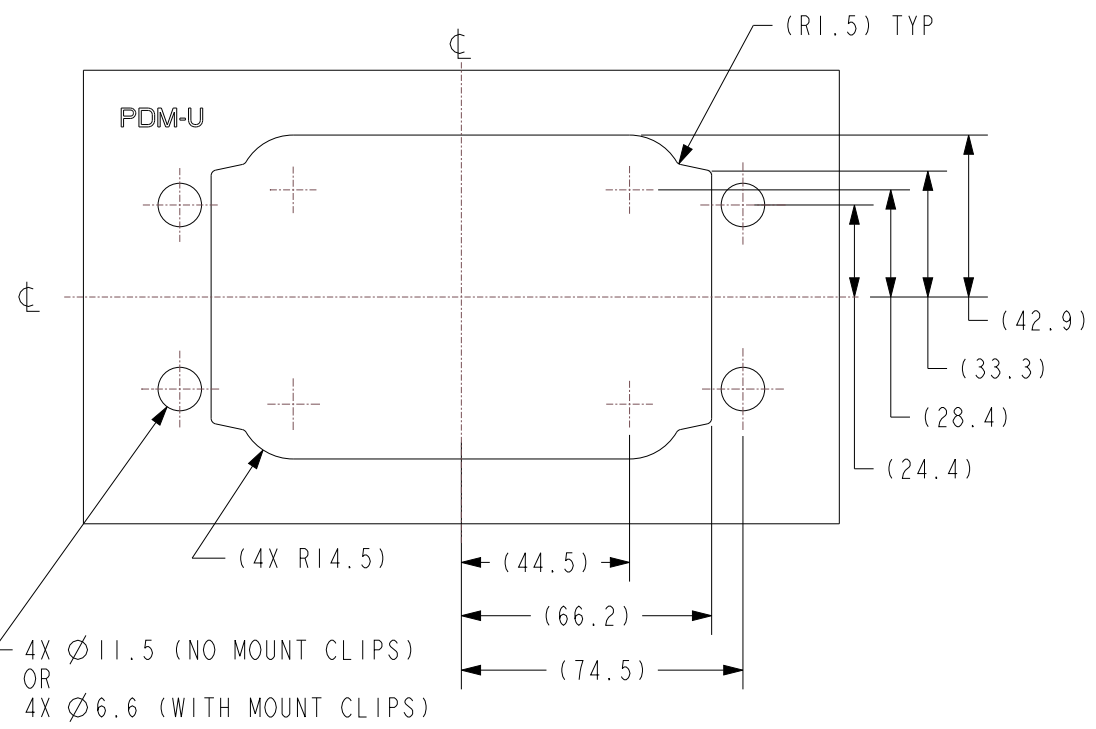
PDM-TMC  
MOUNTING CLIP M6

		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	8 OF 11	1:1.5	B

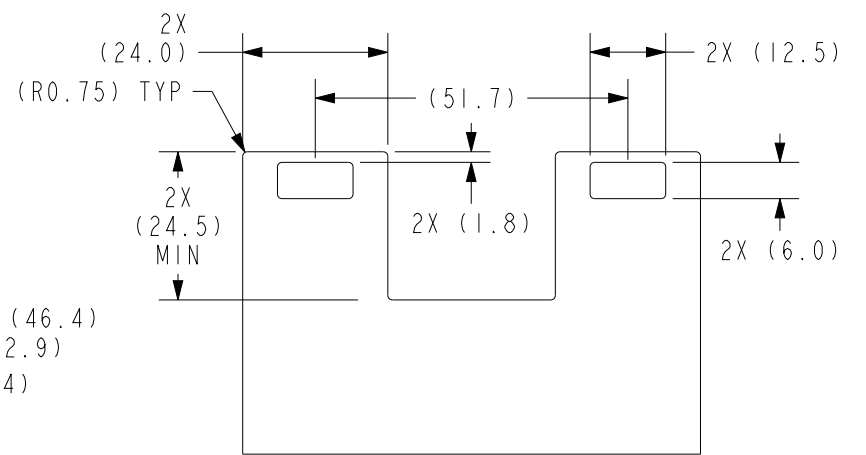
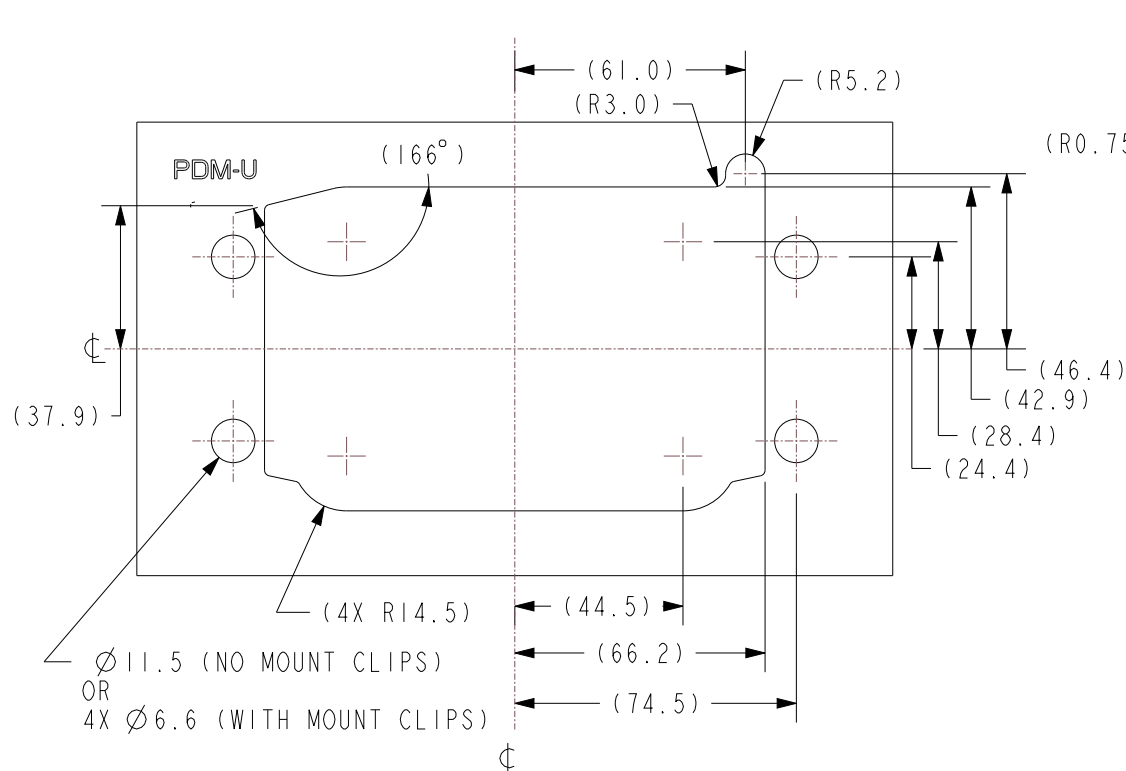
# MOUNTING OPTIONS



## PANEL CUTOUT (NO TETHER)



## PANEL CUTOUT (TETHER)

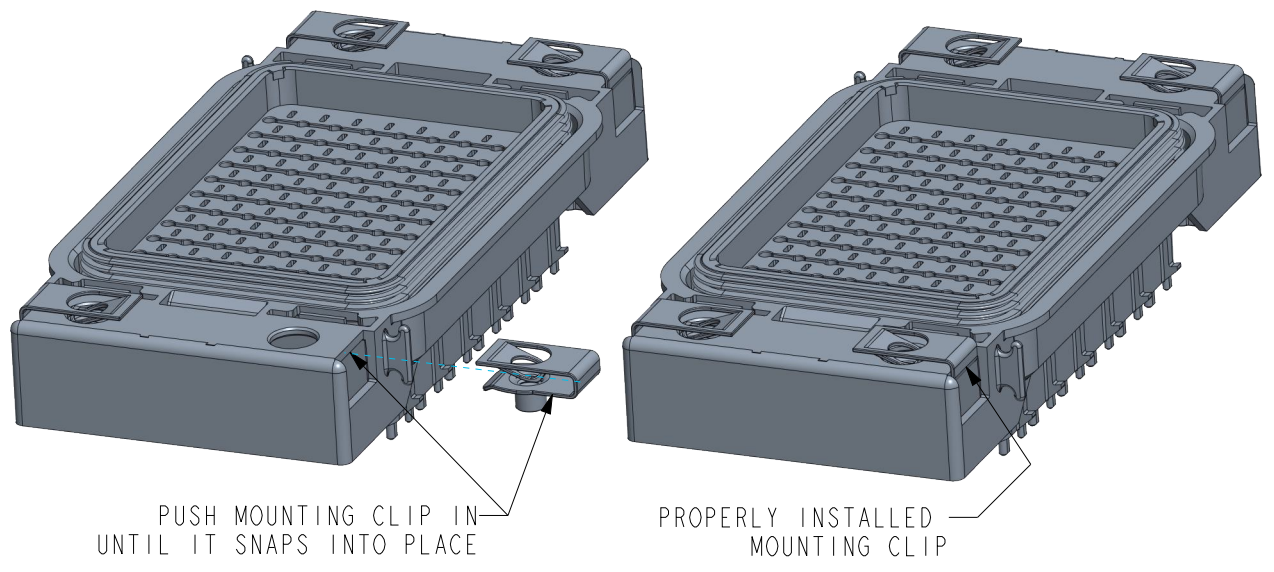


SCALE 1:1.25  
MOUNT BRACKET  
RECOMMENDED THICKNESS: 2 TO 3.2MM  
(CUSTOMER SUPPLIED)

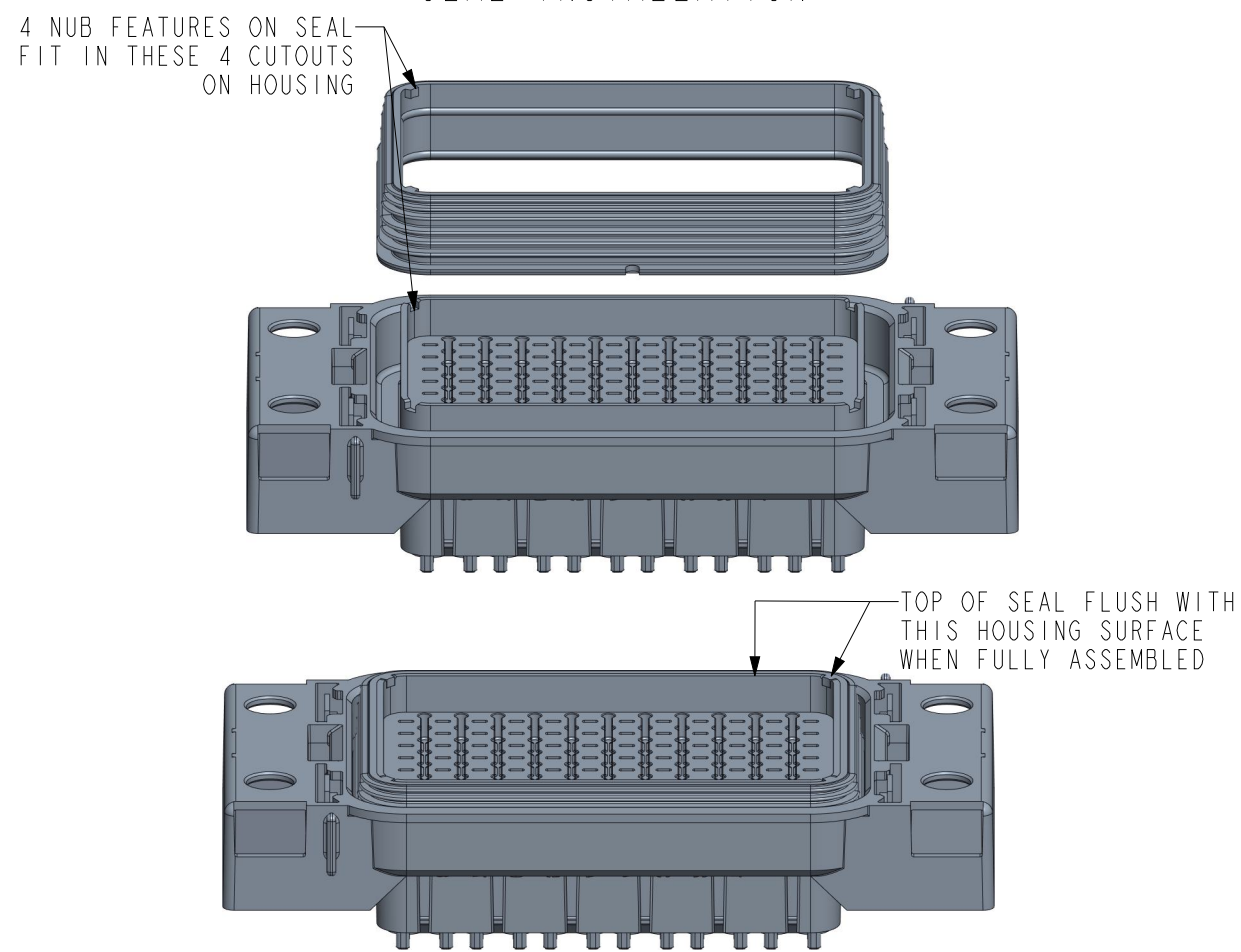
		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	PDM-U SERIES (SALES)			
DESCRIPTION:	POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 7	SHEET 9 OF 11	SCALE 1:2	SIZE B

# ASSEMBLY INSTRUCTIONS

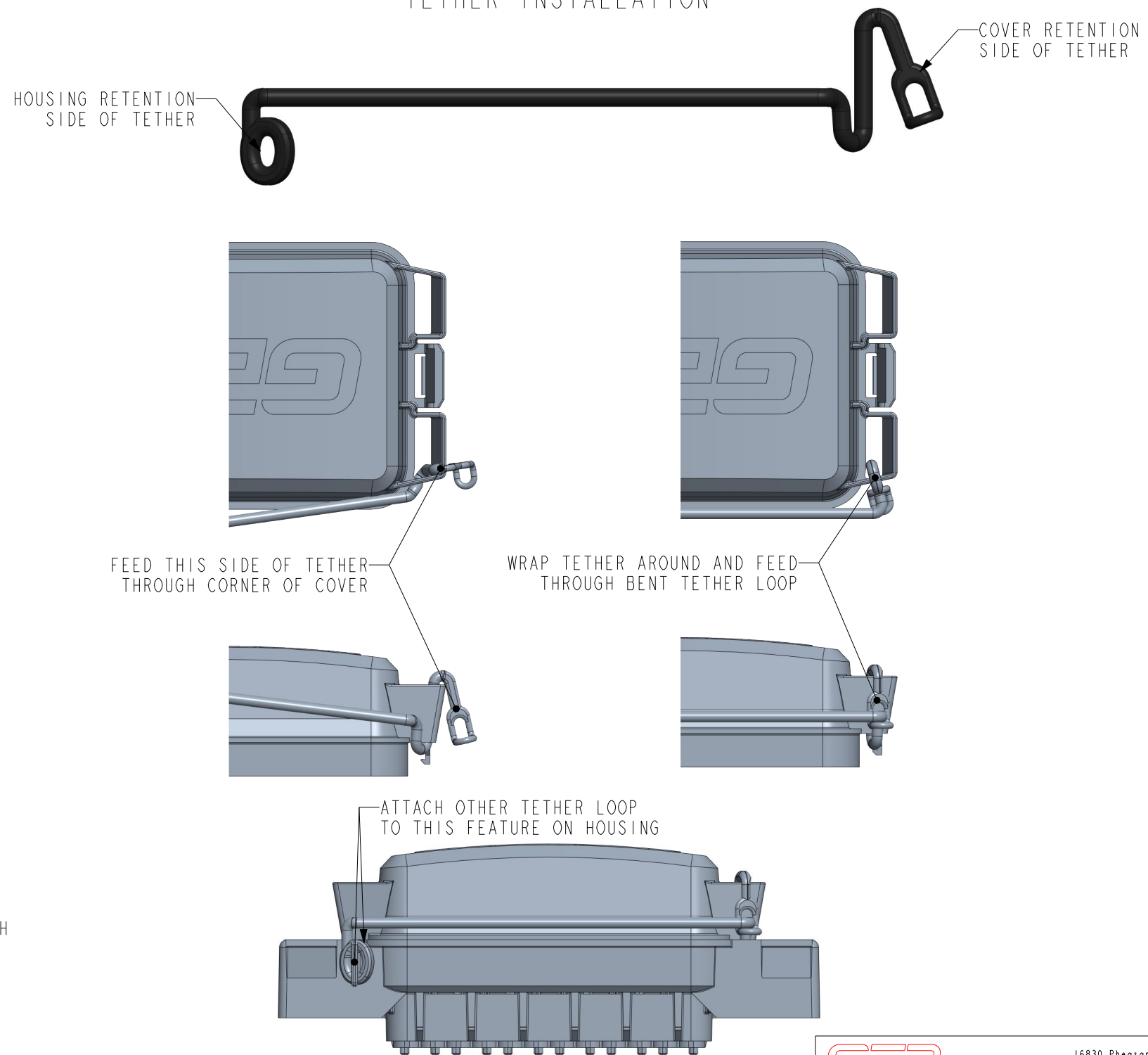
## MOUNTING CLIP INSTALLATION



## SEAL INSTALLATION



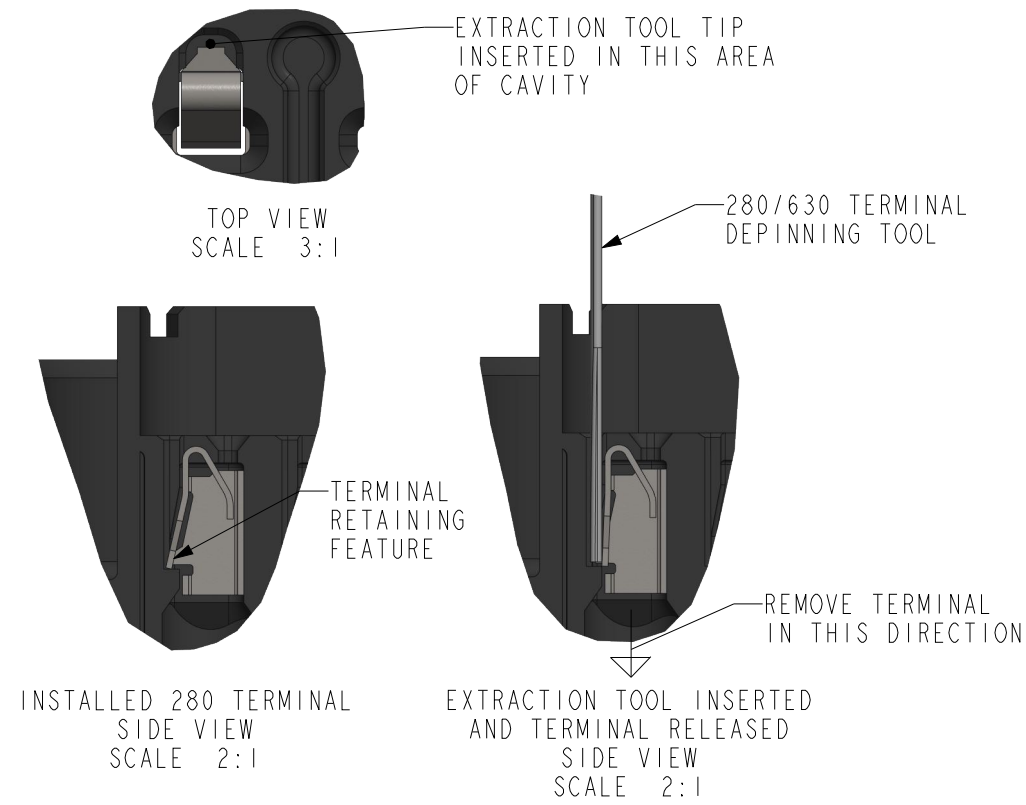
## TETHER INSTALLATION



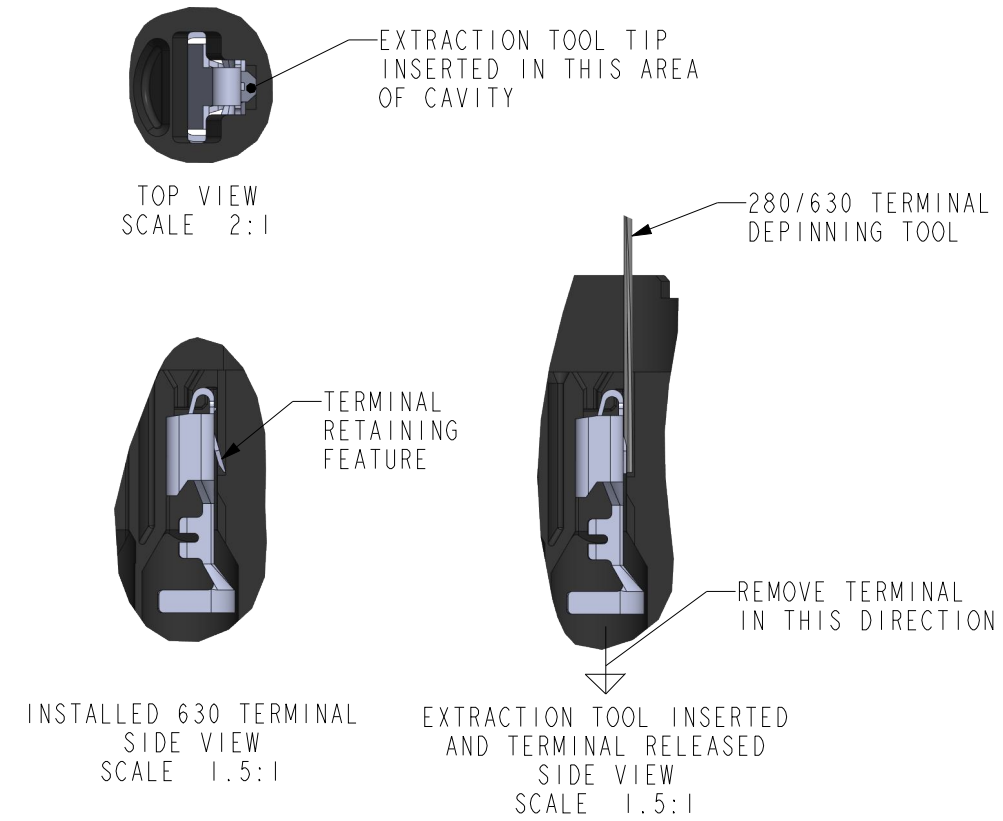
		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	10 OF 11	1:1.667	B

# DEPINNING INSTRUCTIONS

## 280 TERMINAL DEPINNING



## 630 TERMINAL DEPINNING



<b>GEP</b> POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-U SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL U, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	7	11 OF 11	1:1	B