

A

B

C

D

E

A

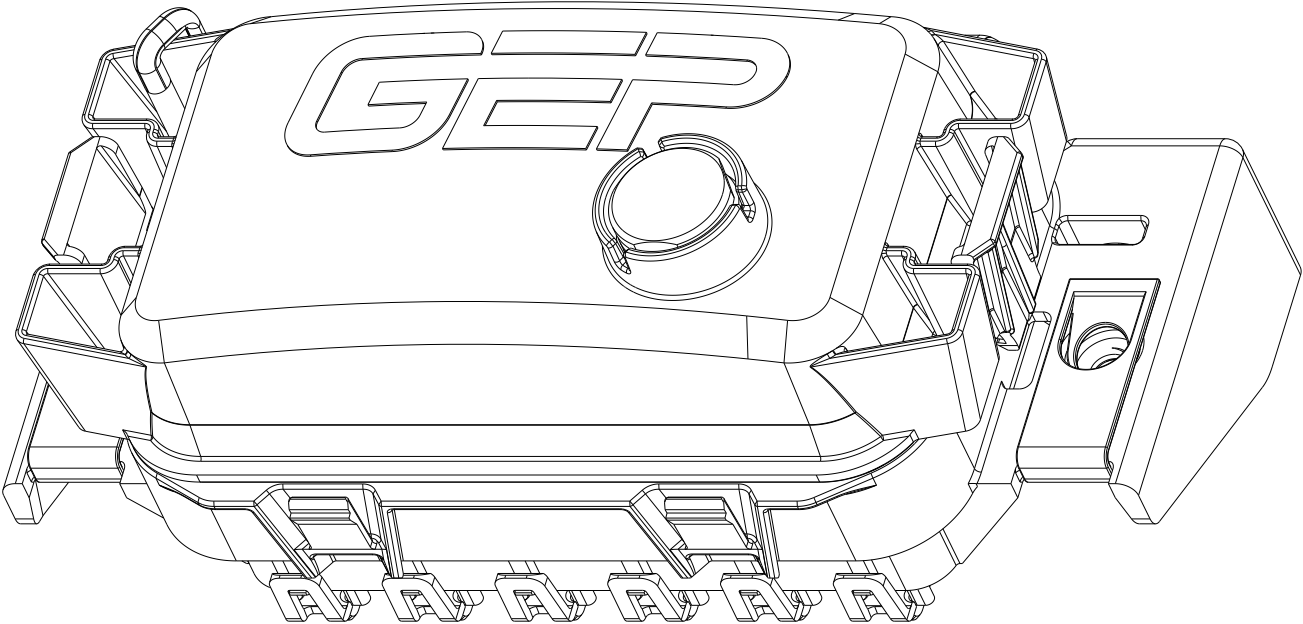
B

C

D

E

REV	REVISION DETAILS	ECO	DATE	BY	ABY
0	UPDATE FORMAT	N/A	01-14-2014	RR	KS
1	ADDED PDM-S4XXX OPTION	N/A	03-26-2014	RR	KS
2	UPDATED TO LATEST FORMAT. MOVED COMPONENT INSERT OPTIONS TO SHEET 3, MOUNTING OPTION TO SHEET 4, COMPONENT OPTIONS TO SHEET 5, TABLES TO SHEET 6. UPDATED & ADDED SEVERAL NOTES. COVER TETHER OPTIONS B & D TO OBSOLETE. MOUNTING OPTION I TO OBSOLETE. VIEWS ADDED TO BETTER SHOW DIFFERENT MOUNTING OPTIONS. ADDED PANEL CUTOUTS FOR SINGLE & GANGED OPTIONS. ADDED COVERS PDM-SC & SC42-2016A-A001, MOUNT CLIPS PDM-TMC, PDM-SMC, VENT SERVICE PART SC46-2000B-A000 TO SHEET 5. UPDATED COMPONENT NOTES. ADDED TERMINAL REMOVAL TOOL TO TABLE. CORRECTED CABLE RANGE FOR 12077413, ALL DIMENSIONS CHANGED TO REFERENCE.	NP-003763	09-30-2021	JWK	JJW
3	PART NUMBER WAS PDM-SXXXX. UPDATED DESCRIPTION. UPDATED TO LATEST DRAWING STANDARDS.	NP-005842	01-15-2024	JWK	JML
4	UPDATED LAYOUT WITH INDIVIDUAL SHEETS FOR HOUSING TERMINAL/SEAL INFORMATION. UPDATED NOTES.	NP-006161	05-31-2024	JWK	JML
5	UPDATED NOTES & TETHER. UPDATED AVAILABILITY INFORMATION	NP-006188	06-18-2024	JWK	JML
6	UPDATED TO LATEST DRAWING STANDARD. ADDED ATO HOUSING PART NUMBERS. ADDED SHEETS WITH HOUSING/SEAL/CLIP ASSEMBLIES.	NP-006711	04-15-2025	JWK	JML
7	CORRECTED PART NUMBERS	NP-006851	06-02-2025	JWK	JTW
8	CORRECTED PART NUMBERS	NP-006966	07-23-2025	JWK	JML



ISO VIEW
FOR REF ONLY

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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	
METRIC TOL	ENGLISH TOL
1 PL DEC. = ±.25 2 PL DEC. = ±.13	2 PL DEC. = ±.01 3 PL DEC. = ±.005
ANGULAR TOL= ±2° FRACTION TOL= ±1/64 IN	
DIMENSIONS INSIDE PARENTHESES OR CONTAINING "REF" ARE FOR REFERENCE ONLY.	
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16830 Pheasant Drive
Brookfield, WI 53005

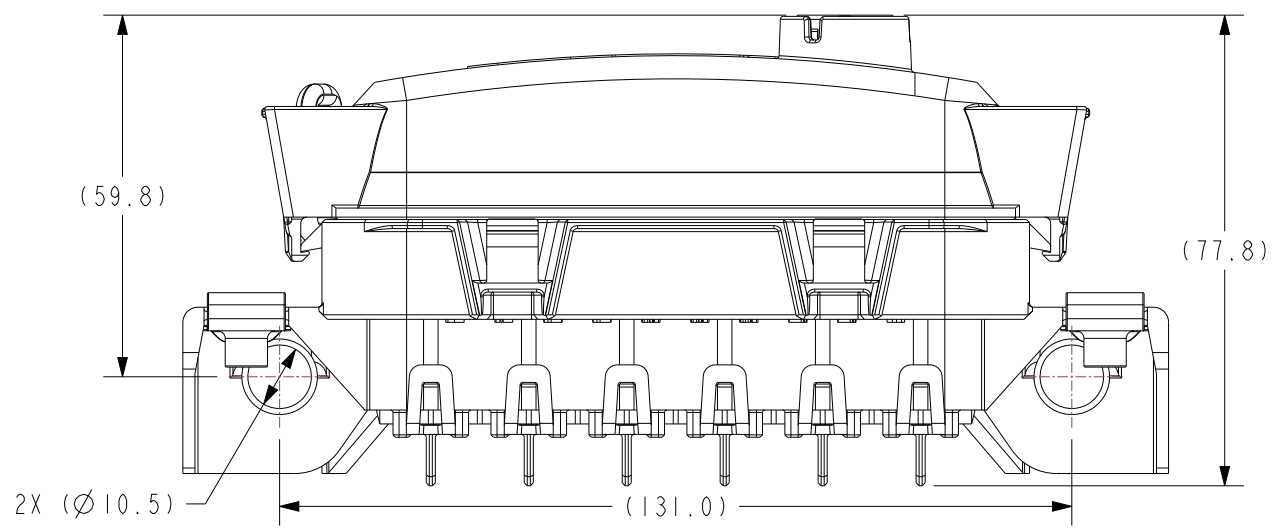
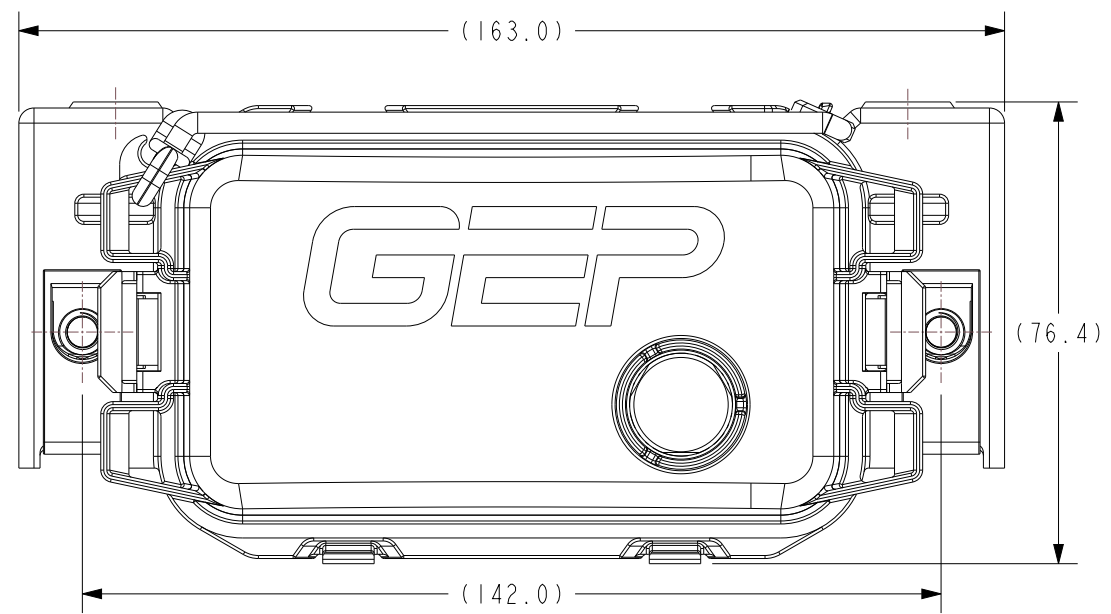
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DESCRIPTION: POWER DISTRIBUTION MODULE - MODEL S,
SERIES DRAWING

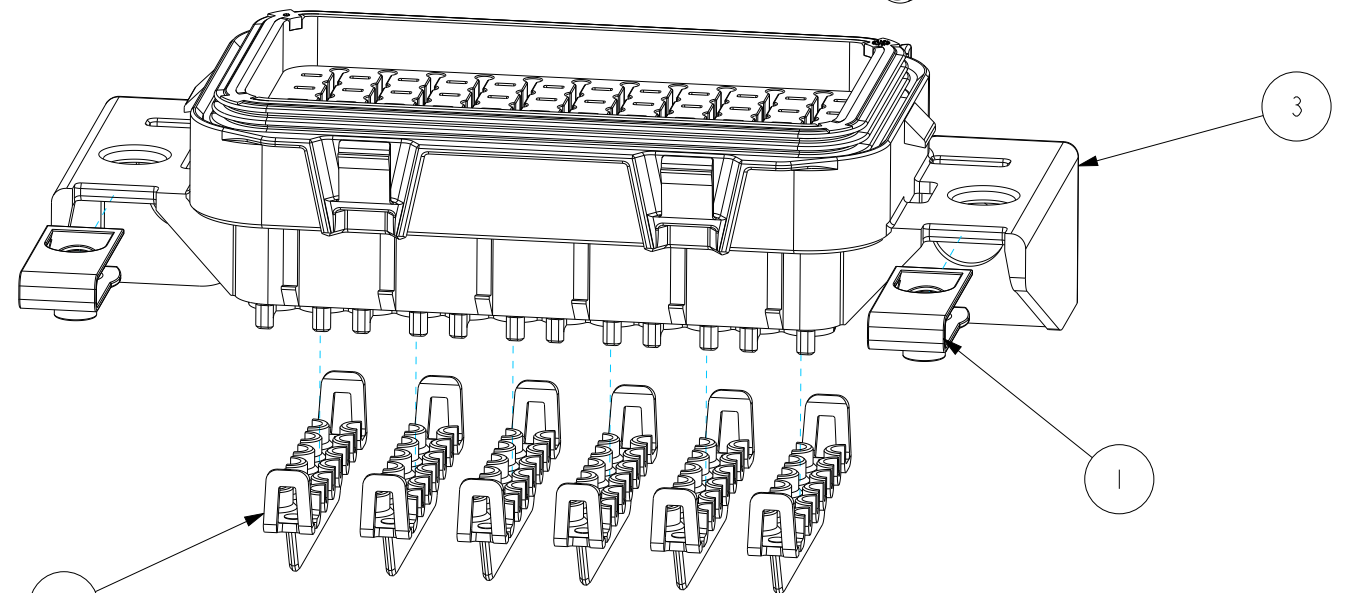
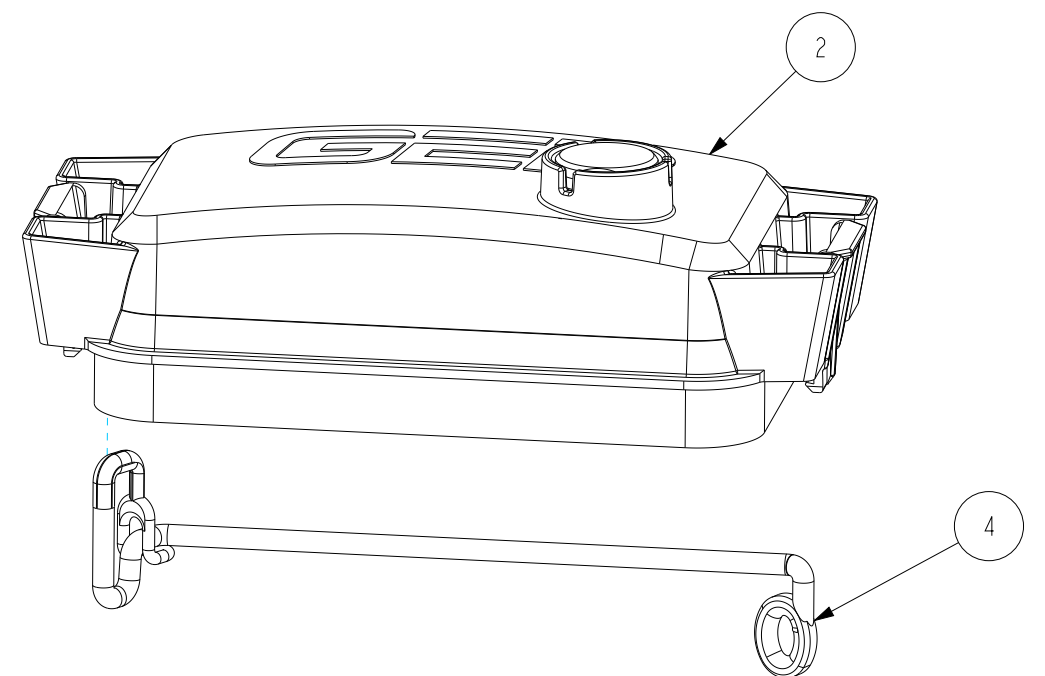
CUSTOMER: STANDARD

METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	1 OF 12	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 FINSH/COLOR: MATTE/BLACK
 - 3. CORRECT TERMINAL SEALS AND/OR CAVITY PLUGS MUST BE USED TO ENSURE A SEALED UNIT
 - 4. IF ADDITIONAL MODULES ARE ADDED THESE DIMENSIONS INCREASE BY 72.2 MM FOR EACH MODULE. PDM-S BLOCKS CAN BE GANGED WITH PDM-R BLOCKS
 - 5. RECOMMENDED MAXIMUM MOUNTING TORQUE: 40 IN-LBS
 - 6. DIMENSIONS ARE FOR REFERENCE ONLY
 - 7. TABLES A & B: AVAILABILITY OF INDIVIDUAL PART NUMBERS NEEDS TO BE VERIFIED WITH THE TERMINAL MANUFACTURER
 - 8. RoHS AND REACH COMPLIANT

EXAMPLE CONFIGURATION BOM			
ITEM	DESCRIPTION	PART NO.	QTY
1	CLIP - PDM - M6-1.0 - 0.8-4MM PANEL - U-SPRING NUT - LONG	PDM-SMC	2
2	COVER WITH VENT - PDM-S - GEP	SC42-2019A-A001	1
3	HOUSING AND SEAL - PDM-S, 72 POS, 280 TERM	SC42-2005A-B001	1
4	TETHER - COVER	PDM-SCT	1
5	TPA - PDM-S, 280 TERM	SC38-2000A-B003	6

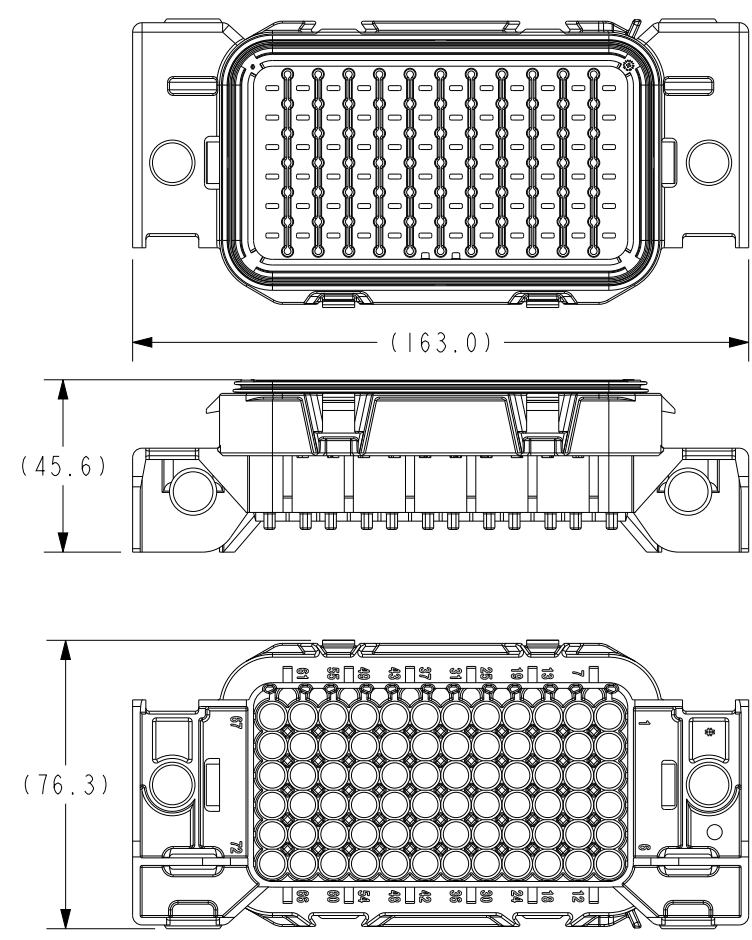


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Brookfield, WI 53005

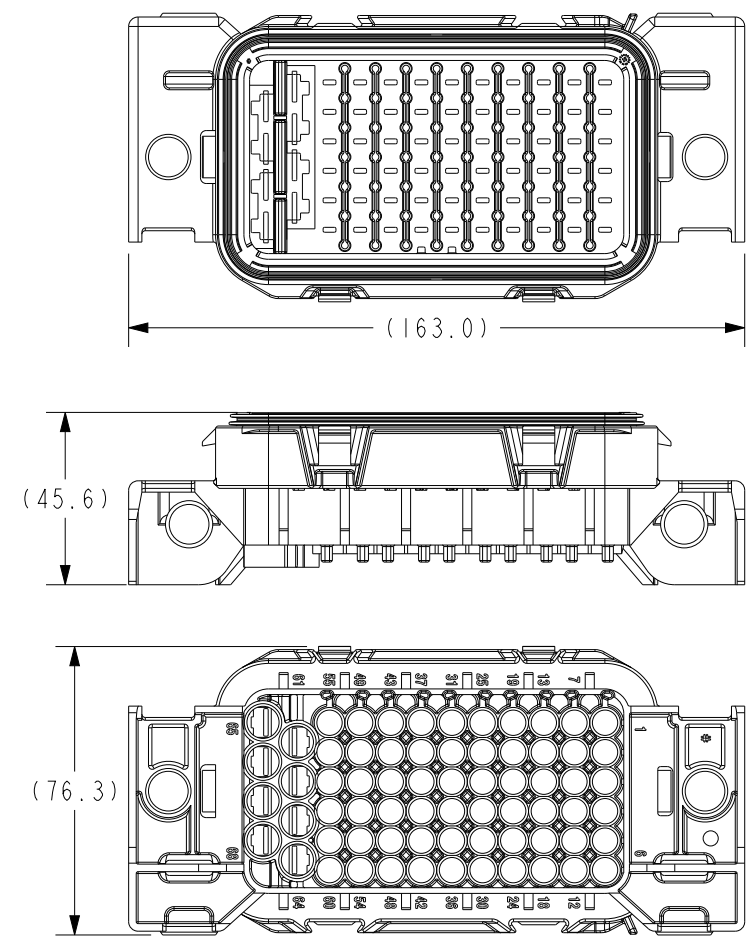
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	2 OF 12	1:1.25	B

HOUSING W/SEAL OPTIONS

SC42-2005A-B001
HOUSING AND SEAL - PDM-S, 72 POS, 280 TERM
SEE NOTE 4



SC42-2005B-B001
HOUSING AND SEAL - PDM-S, 68 POS, 280 AND ATO TERM
SEE NOTE 5

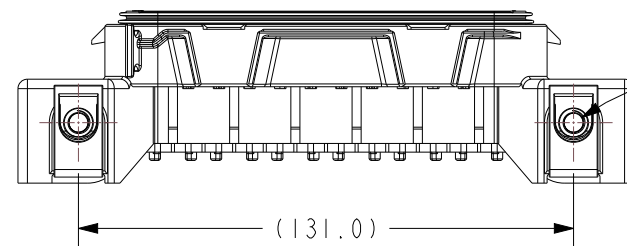
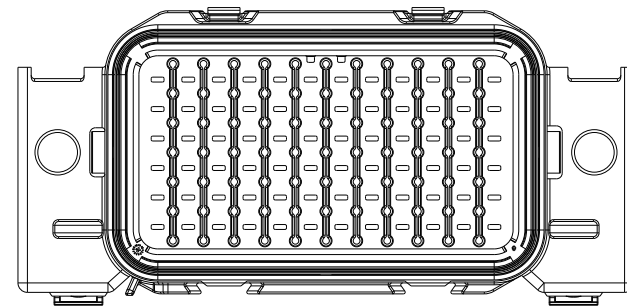


		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	3 OF 12	1:1	B

HOUSING W/SEAL & SIDE MOUNT CLIPS OPTIONS

SC42-2034A-A001

HOUSING AND SEAL - PDM-S - 280 TERM - SM CLPS

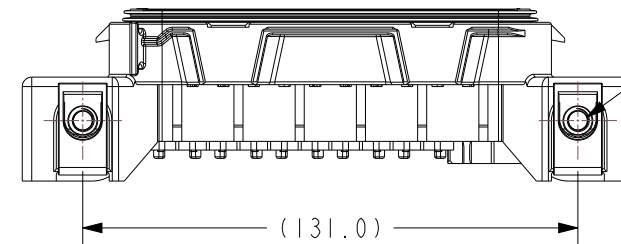
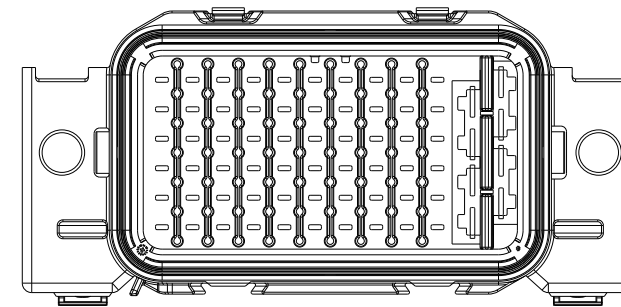


M6 X 1.0
THREAD

(131.0)

SC42-2034B-A001

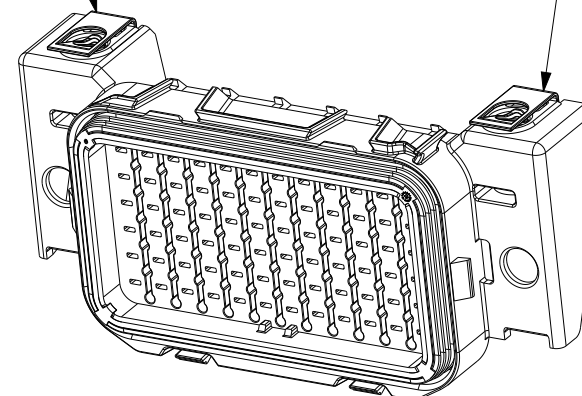
HOUSING AND SEAL - PDM-S - 280 AND ATO TERM - SM CLPS



M6 X 1.0
THREAD

(131.0)

ALL ASSEMBLIES ON THIS SHEET
CONTAIN 2 PDM-TMC MOUNT CLIPS
IN THESE LOCATIONS

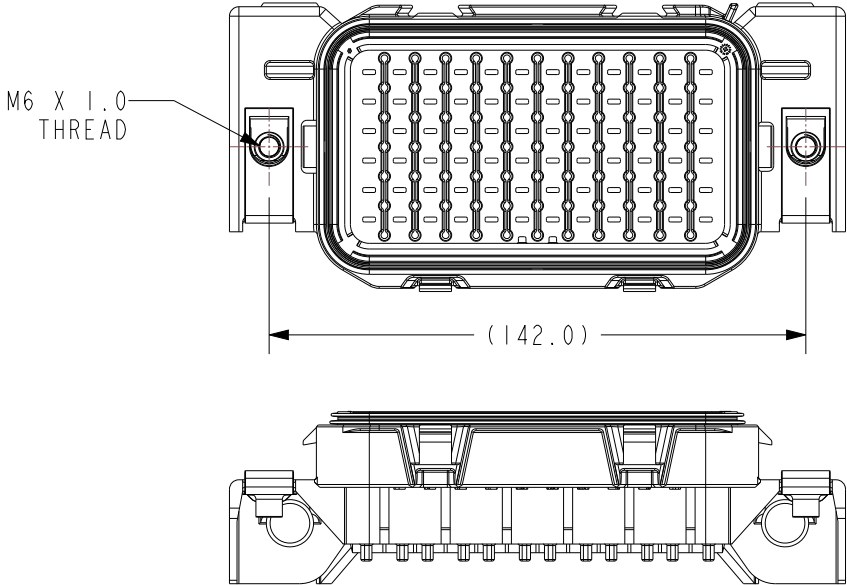


NOTE: MOUNTING CLIPS CAN ALSO BE PURCHASED SEPARATELY.
SEE SHEET 11 FOR ASSEMBLY INSTRUCTIONS.

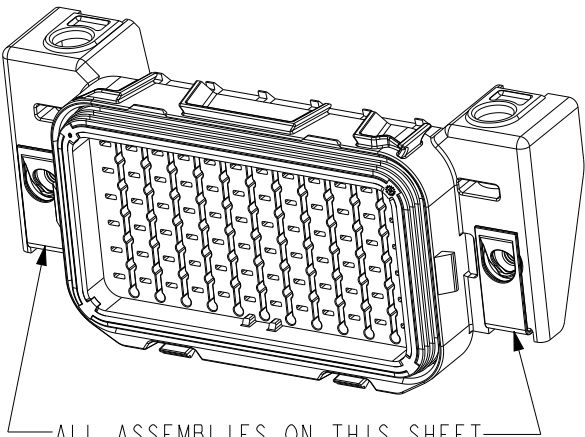
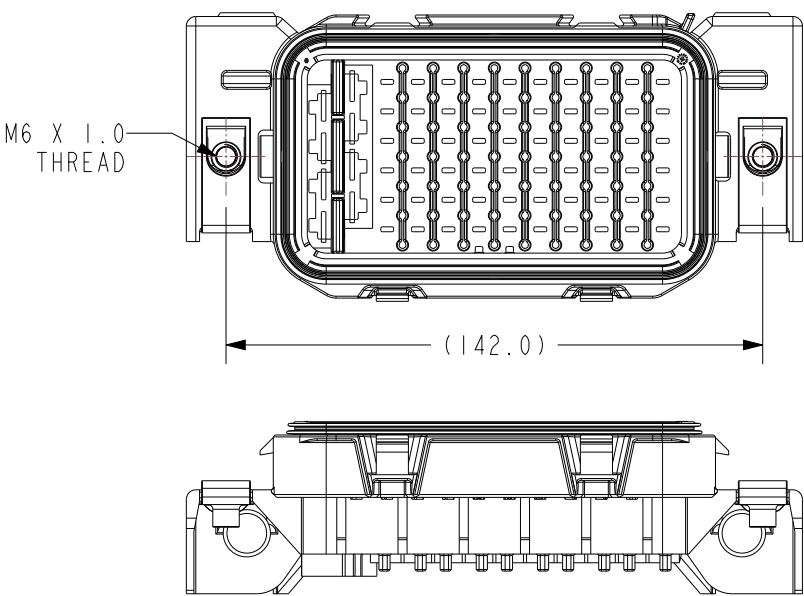
GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	4 OF 12	1:1	B

HOUSING W/SEAL & TOP MOUNT CLIPS OPTIONS

SC42-2035A-A001
HOUSING AND SEAL - PDM-S - 280 TERM - TM CLPS



SC42-2035B-A001
HOUSING AND SEAL - PDM-S - 280 AND ATO TERM - TM CLPS

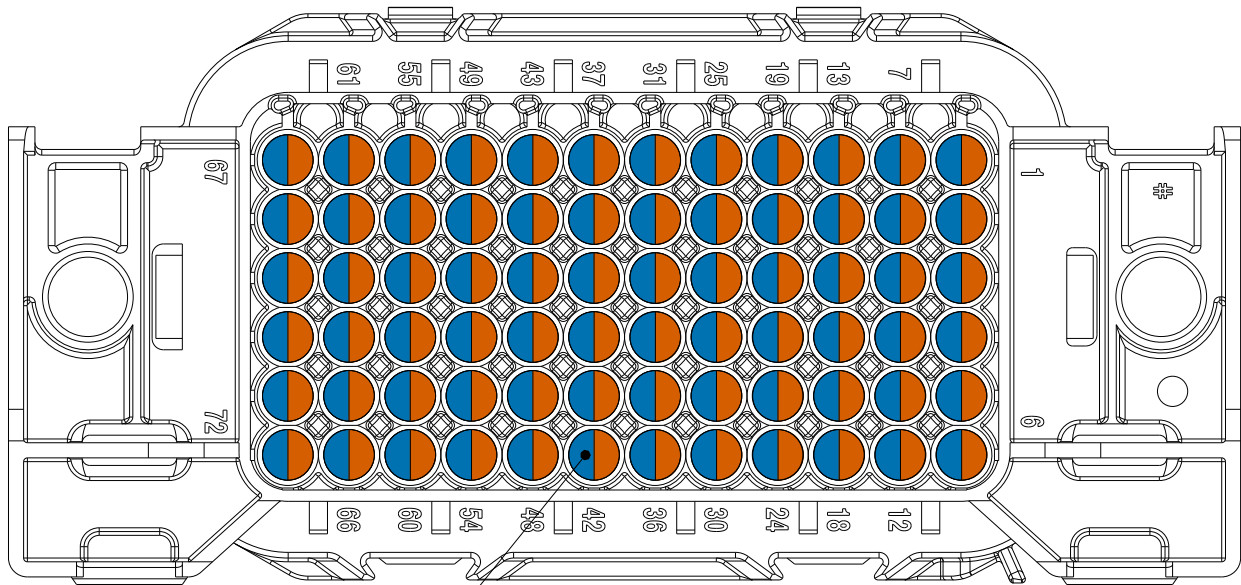


ALL ASSEMBLIES ON THIS SHEET
CONTAIN 2 PDM-SMC MOUNT CLIPS
IN THESE LOCATIONS

NOTE: MOUNTING CLIPS CAN ALSO BE PURCHASED SEPARATELY.
SEE SHEET 11 FOR ASSEMBLY INSTRUCTIONS.

GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	5 OF 12	1:1	B

TERMINAL AND CABLE SEAL INFORMATION
SC42-2005A-B001, SC42-2034A-A001, SC42-2035A-A001



280 CAVITIES
SEE TABLE A FOR TERMINALS
AND CABLE SEALS

Table A				
DELPHI 280 METRI-PACK TERMINALS				
PART #	CABLE RANGE (mm ²)	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
DELPHI 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)				
PART # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
12015360	12015193	3.45-4.3	SILICONE	BLUE
12015359	12010293	2.81-3.49	SILICONE	LT. GRAY
12015284	12015323	2.03-2.85	SILICONE	GREEN
12041352	12041351	2.03-2.42	SILICONE	TAN
12089444	12089679	1.6-2.15	SILICONE	PURPLE
12034365	12015899	1.29-1.70	SILICONE	DK. RED
	12010300	PLUG	SILICONE	GREEN
DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				



16830 Pheasant Drive
Brookfield, WI 53005

PART NO: PDM-S SERIES (SALES)				
DESCRIPTION: POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING				
CUSTOMER: STANDARD				
METRIC (MM)	REV 8	SHEET 6 OF 12	SCALE 1:1	SIZE B

TERMINAL AND CABLE SEAL INFORMATION
SC42-2005B-B001, SC42-2034B-A001, SC42-2035B-A001

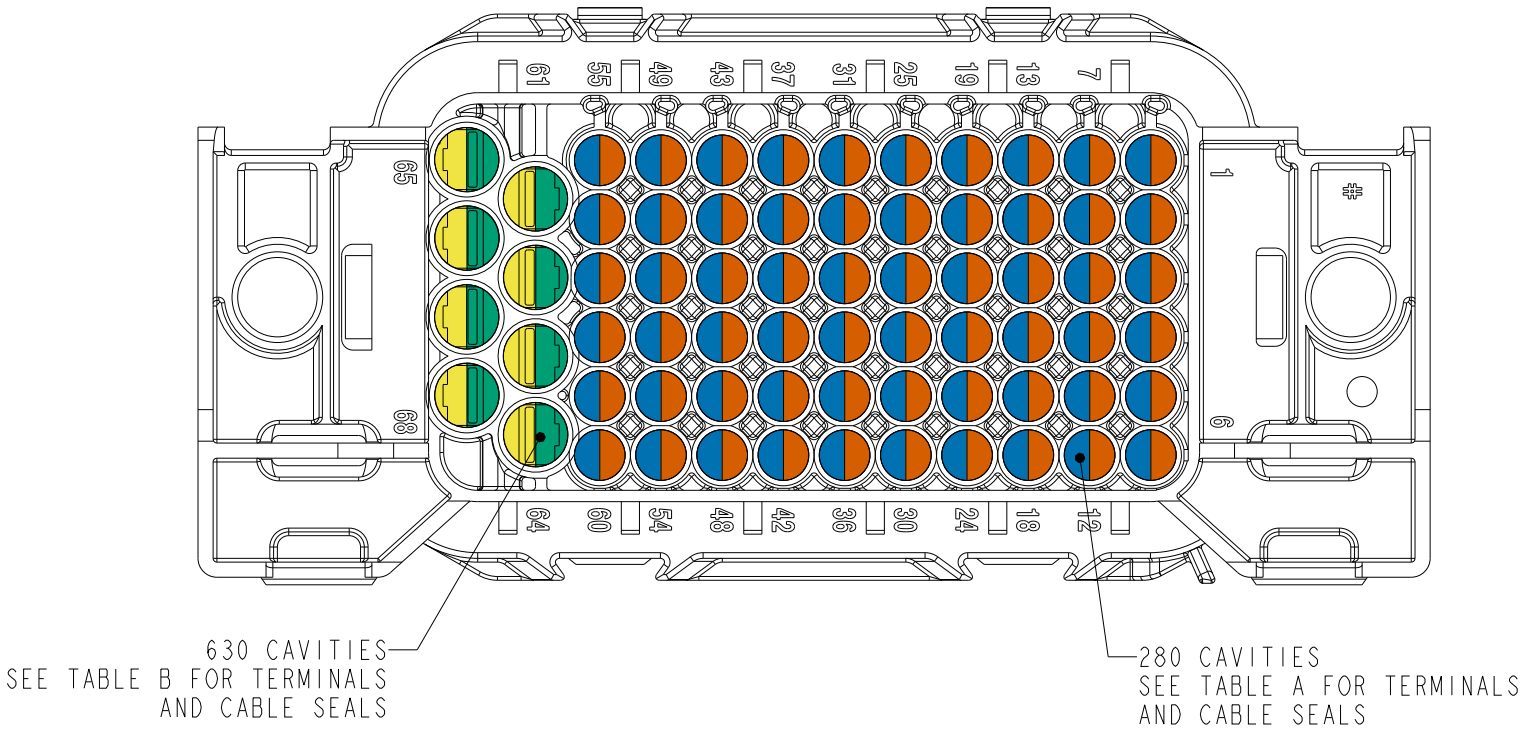


Table B				
DELPHI 630 METRI-PACK TERMINALS				
PART #	RANGE (mm ²)	MATERIAL	PLATING	
15317331	4.00-6.00	TIN BRASS	TIN	
12052456	3.00-5.00	TIN BRASS	TIN	
12052455	1.00-2.00	TIN BRASS	TIN	
12052457	0.50-0.80	TIN BRASS	TIN	
15317332	4.00-6.00	BERYLLIUM COPPER	SILVER/NICKEL	
15305232	3.00-5.00	BERYLLIUM COPPER	SILVER/NICKEL	
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 # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
15344644	15363779	1.20-2.00	SILICONE	YELLOW
12052931	12052930	1.60-2.15	SILICONE	YELLOW
	15327998	2.00-2.70	SILICONE	BLUE
12048433	12048441	2.00-2.90	SILICONE	WHITE
15344645	15363604	2.00-2.90	SILICONE	WHITE
12052452	12048442	2.80-3.90	SILICONE	DK. RED
15337204	15327864	2.80-3.80	SILICONE	DK. RED
15344646	15363605	3.60-4.50	SILICONE	GREEN
10733034	10733145	4.40-5.10	SILICONE	GRAY
15344104	15344647	4.40-5.10	SILICONE	GRAY
	12066082	PLUG	SILICONE	LT. GREEN
DELPHI METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				

Table A				
DELPHI 280 METRI-PACK TERMINALS				
PART #	CABLE RANGE (mm ²)	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	
DELPHI 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)				
PART # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
12015360	12015193	3.45-4.3	SILICONE	BLUE
12015359	12010293	2.81-3.49	SILICONE	LT. GRAY
12015284	12015323	2.03-2.85	SILICONE	GREEN
12041352	12041351	2.03-2.42	SILICONE	TAN
12089444	12089679	1.6-2.15	SILICONE	PURPLE
12034365	12015899	1.29-1.70	SILICONE	DK. RED
	12010300	PLUG	SILICONE	GREEN
DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				



16830 Pheasant Drive
Brookfield, WI 53005

PART NO: PDM-S SERIES (SALES)				
DESCRIPTION: POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING				
CUSTOMER: STANDARD				
METRIC (MM)	REV 8	SHEET 7 OF 12	SCALE 1:1	SIZE B

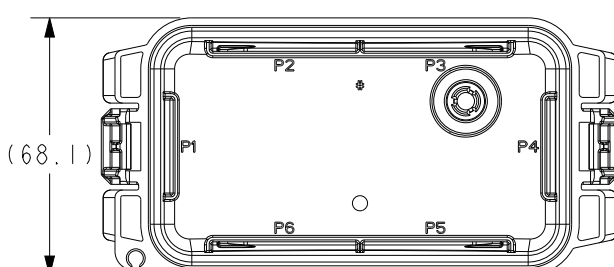
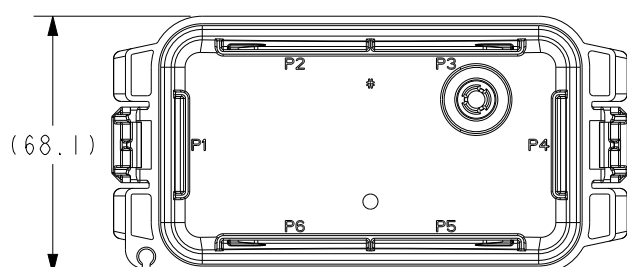
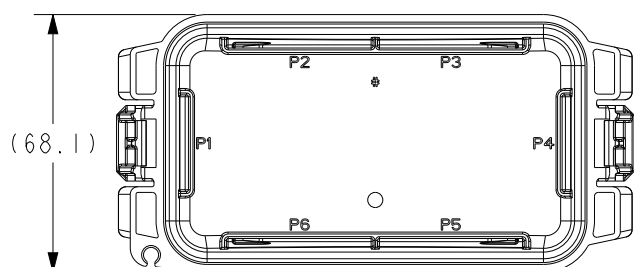
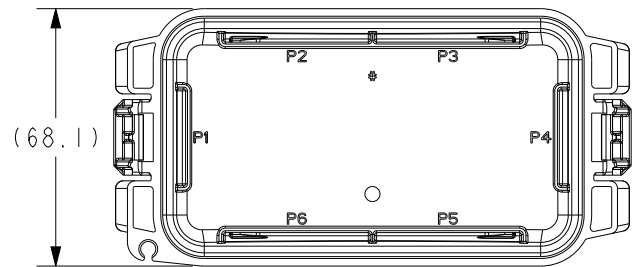
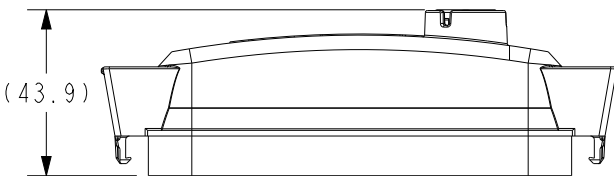
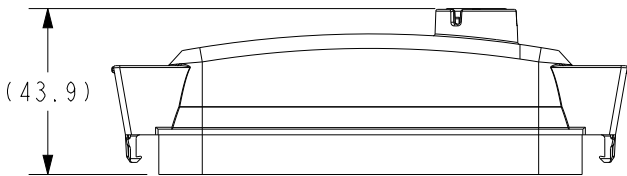
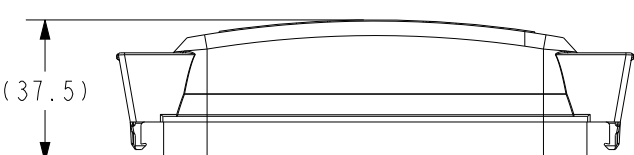
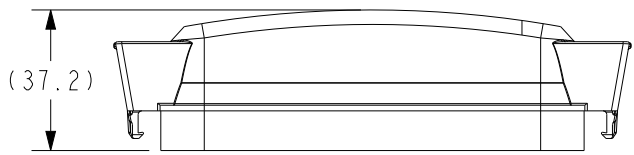
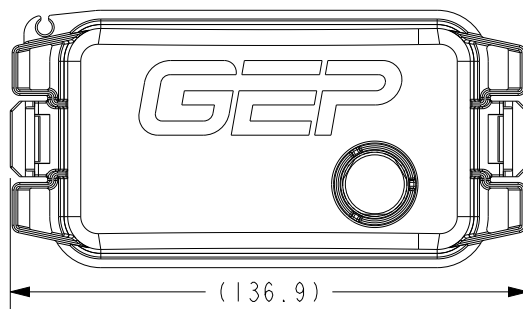
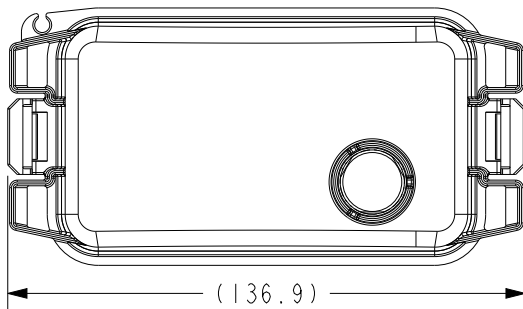
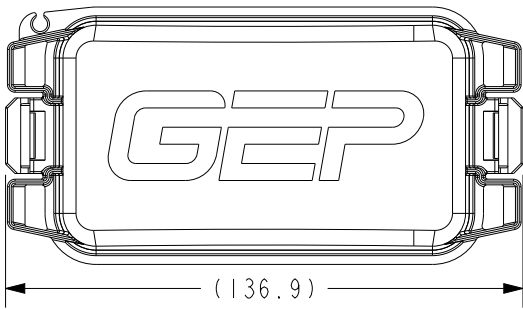
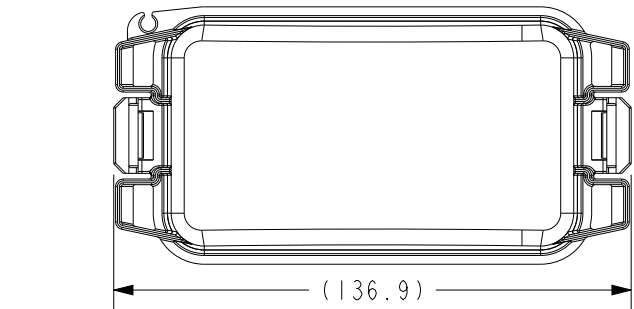
COVER OPTIONS

SC27-2000A-B001
COVER - PDM-S, PLAIN

SC27-2000B-B001
COVER - PDM-S, GEP

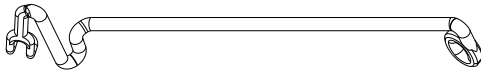
SC42-2016A-A001
COVER WITH VENT - PDM-S - PLAIN

SC42-2019A-A001
COVER WITH VENT - PDM-S - GEP

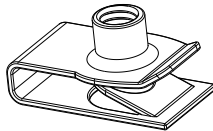


		16830 Pheasant Drive Brookfield, WI 53005			
PART NO:		PDM-S SERIES (SALES)			
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING			
CUSTOMER:		STANDARD			
METRIC (MM)	REV	SHEET	SCALE	SIZE	
	8	8 OF 12	1:1	B	

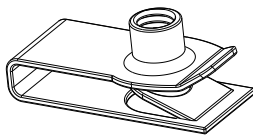
ACCESSORIES



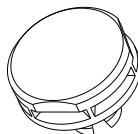
PDM-SCT
TETHER - COVER



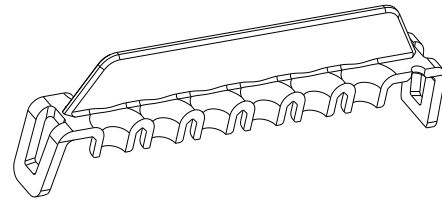
PDM-TMC
(SIDE) MOUNTING CLIP M6
SCALE 1:1



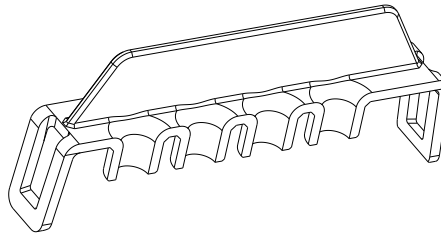
PDM-SMC
(TOP) MOUNTING CLIP M6
SCALE 1:1



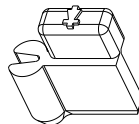
SC46-2000B-A000
VENT
(INCLUDED WITH SC42-2016A-A001
& SC42-2019A-A001)
SCALE 1:1



SC38-2000A-B003
TPA - PDM-S, 280 TERM
(USE 6 PER ASSY FOR SC42-2005A-B001,
SC42-2034A-A001, SC42-2035A-A001)
(USE 5 PER ASSY FOR SC42-2005B-B001,
SC42-2034B-A001, SC42-2035B-A001)
SCALE 1:1



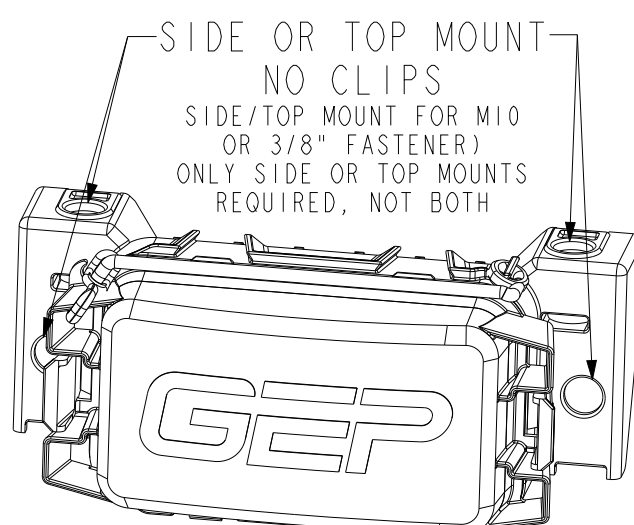
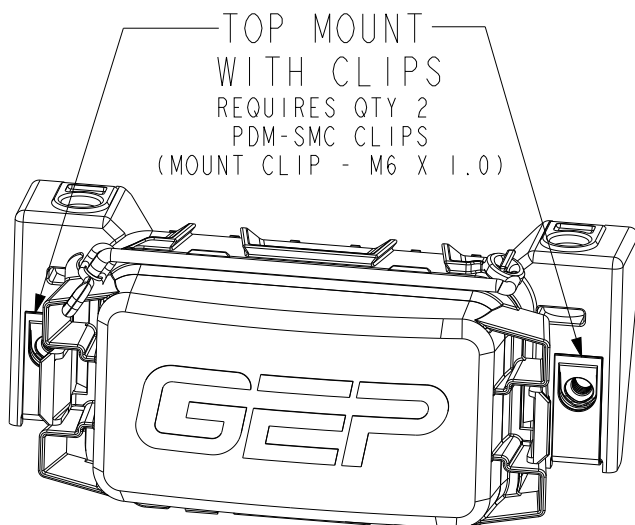
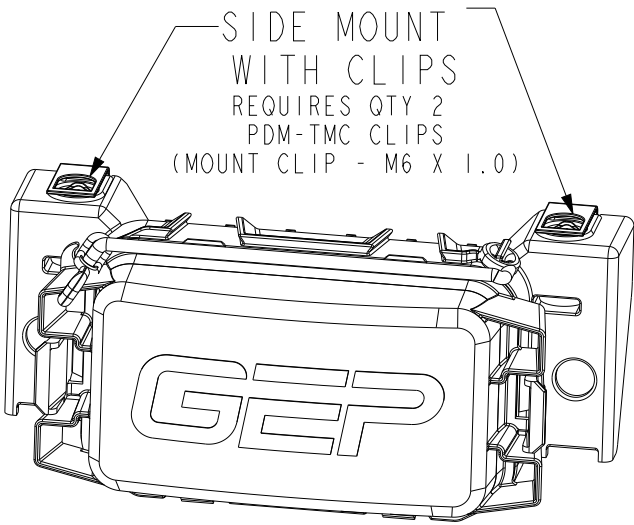
SC38-2001A-B003
TPA - PDM-S, ATO TERM
(USE 1 PER ASSY FOR SC42-2005A-B001,
SC42-2034B-A001, SC42-2035B-A001)
SCALE 1:1



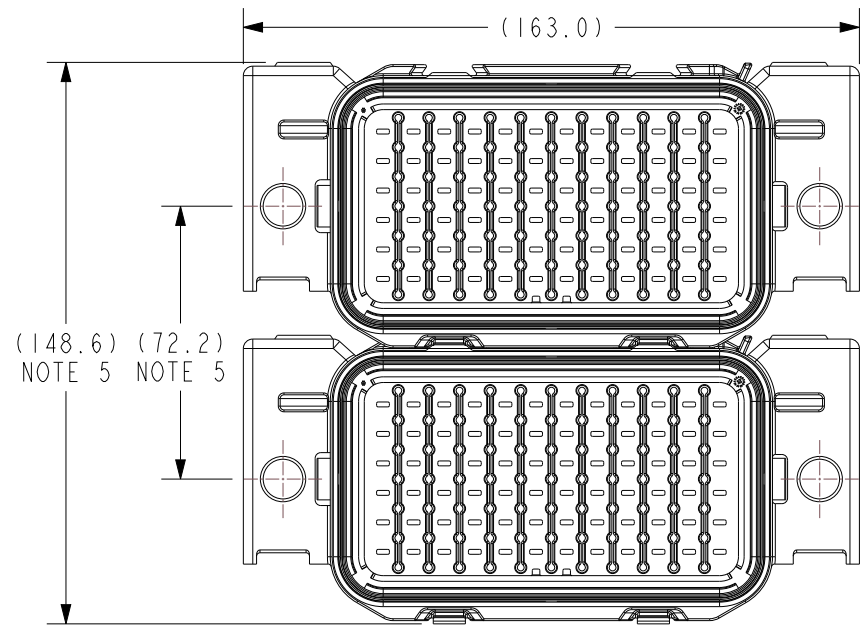
PDM-TK
DIODE KEY
(WAS PDM-SK)
SCALE 2:1

		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	9 OF 12	1:2	B

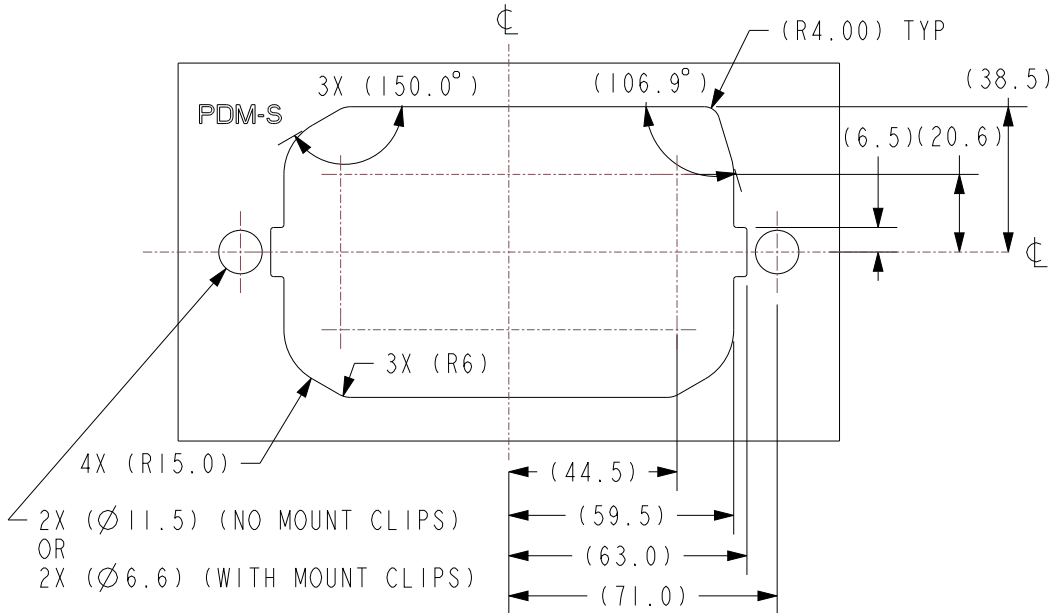
MOUNTING OPTIONS



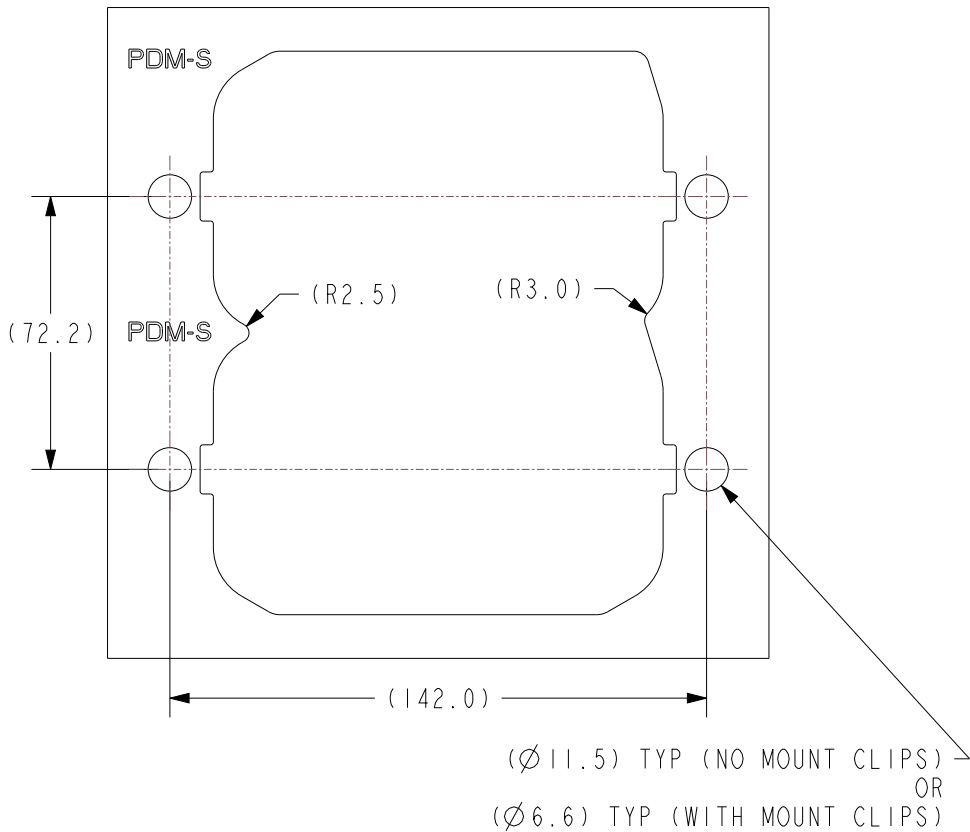
GANGED OPTION
PDM-S GANGED WITH PDM-S



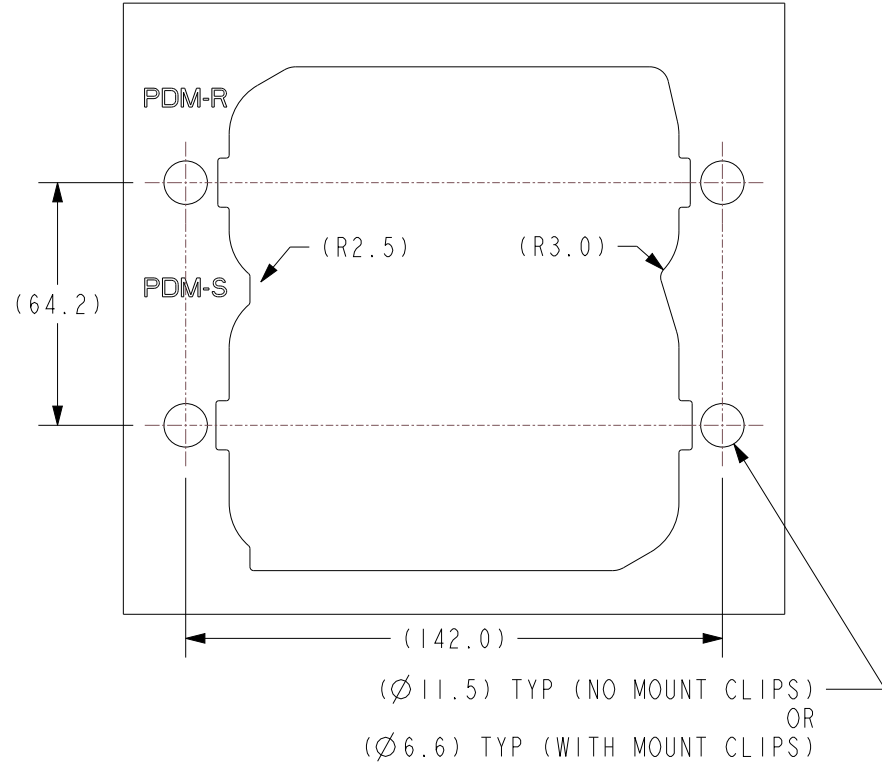
PANEL CUTOUT - TOP MOUNT



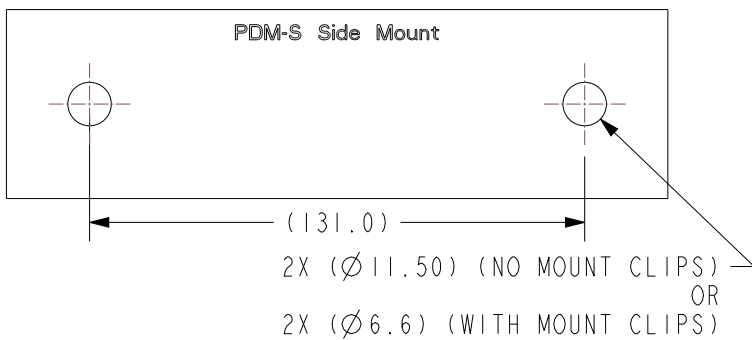
PANEL CUTOUT - GANGED TOP MOUNT
PDM-S GANGED WITH PDM-S



PANEL CUTOUT - GANGED TOP MOUNT
PDM-S GANGED WITH PDM-R
(SEE PDM-R SERIES (SALES) FOR PDM-R PANEL CUTOUT DETAILS)



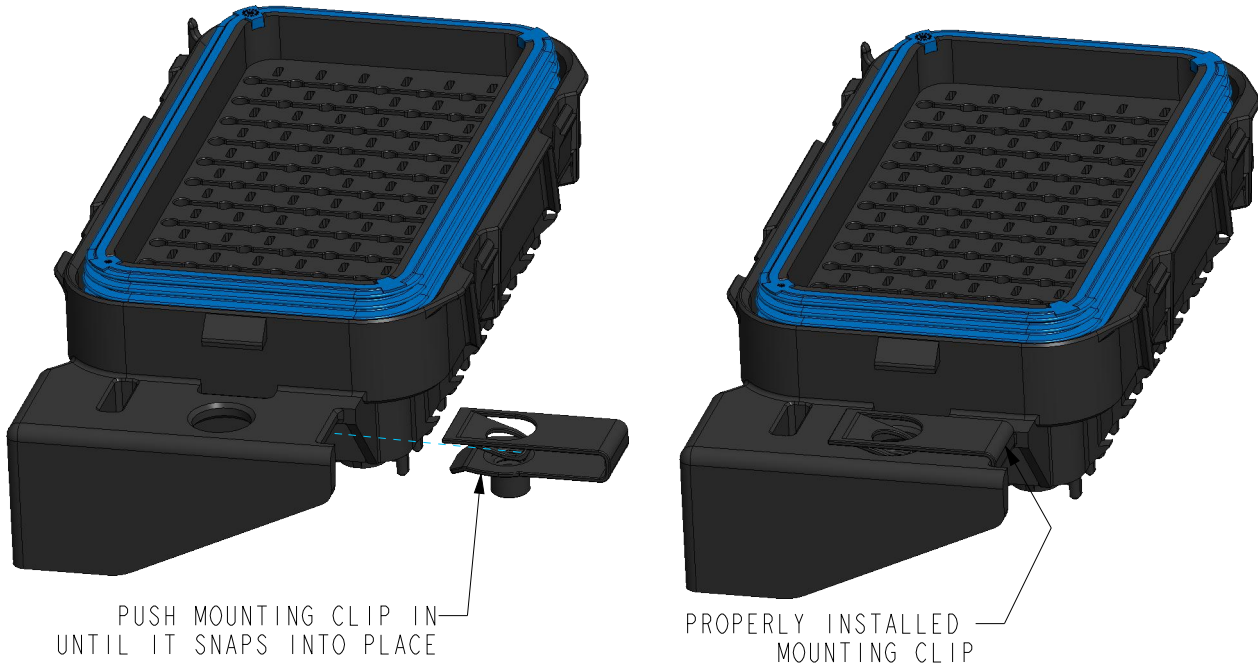
HOLE SPACING - SIDE MOUNT



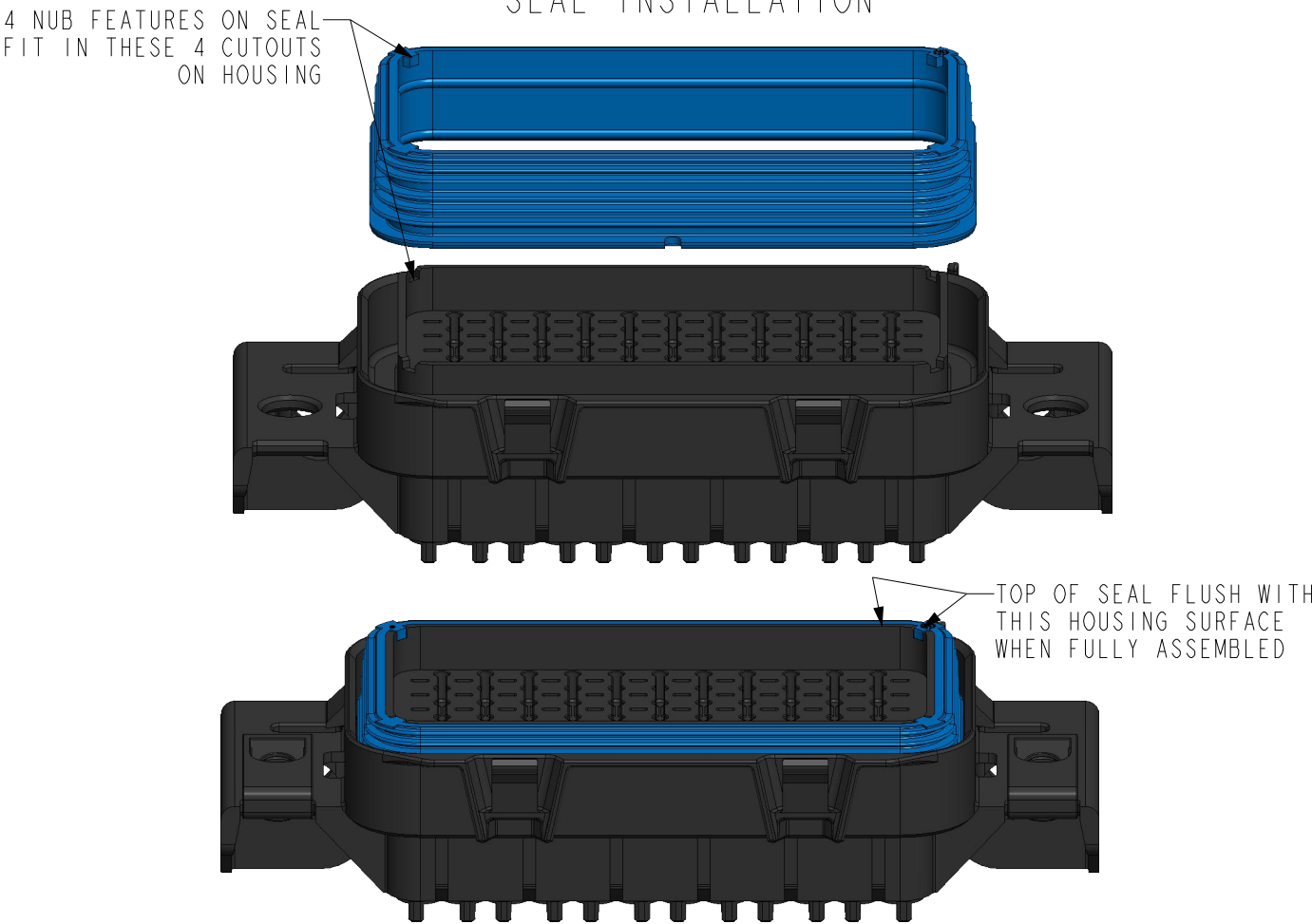
		16830 Pheasant Drive Brookfield, WI 53005			
PART NO:		PDM-S SERIES (SALES)			
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING			
CUSTOMER:		STANDARD			
METRIC (MM)	REV 8	SHEET 10 OF 12	SCALE 1:2	SIZE B	

ASSEMBLY INSTRUCTIONS

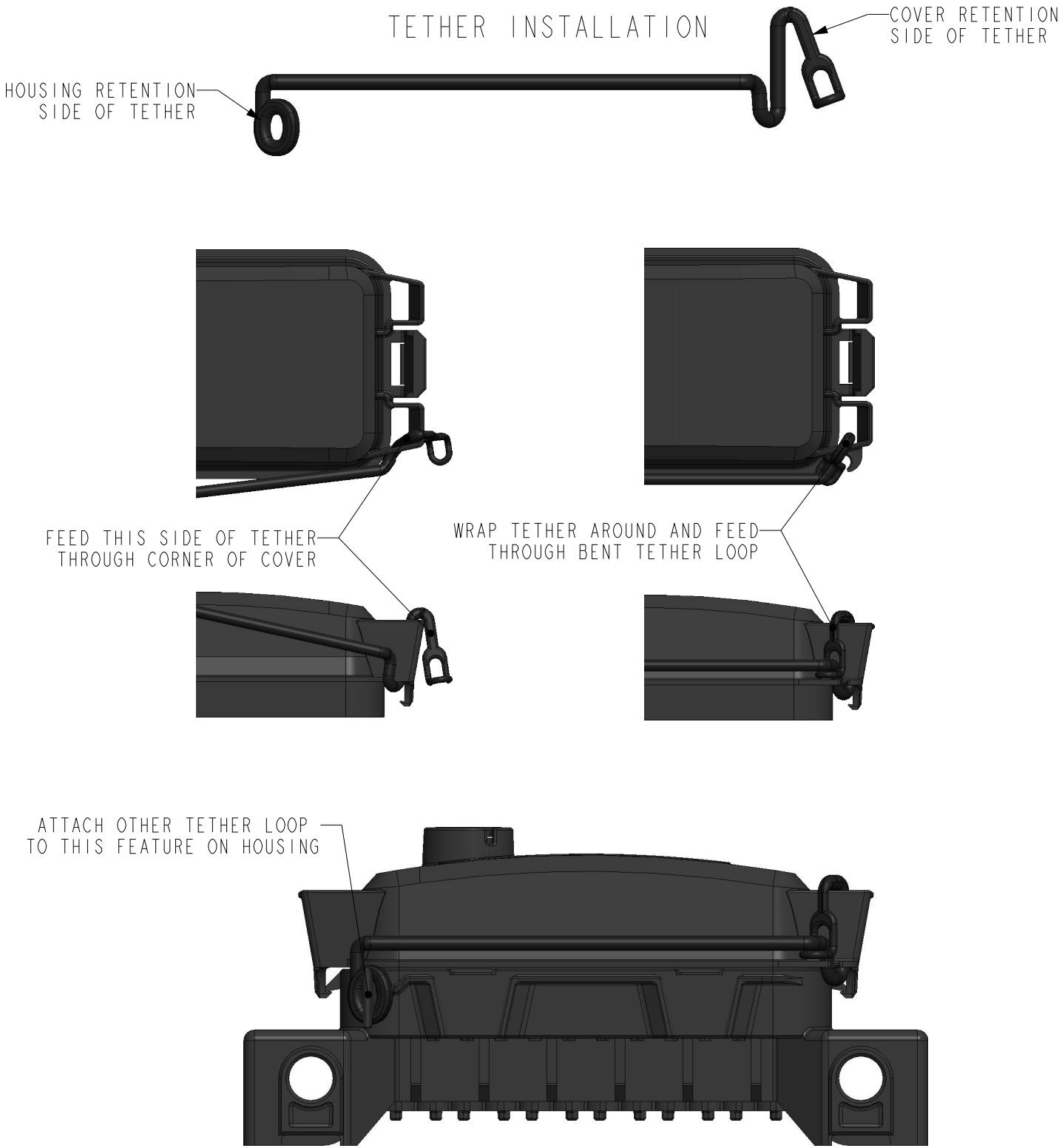
MOUNTING CLIP INSTALLATION



SEAL INSTALLATION



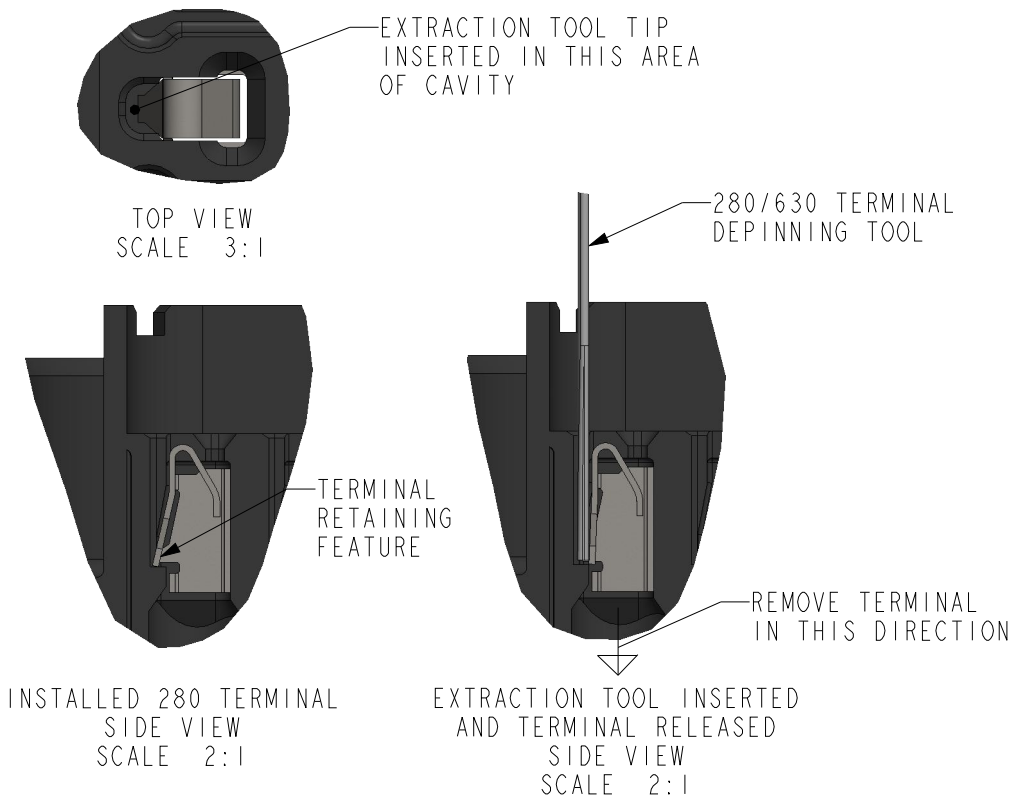
TETHER INSTALLATION



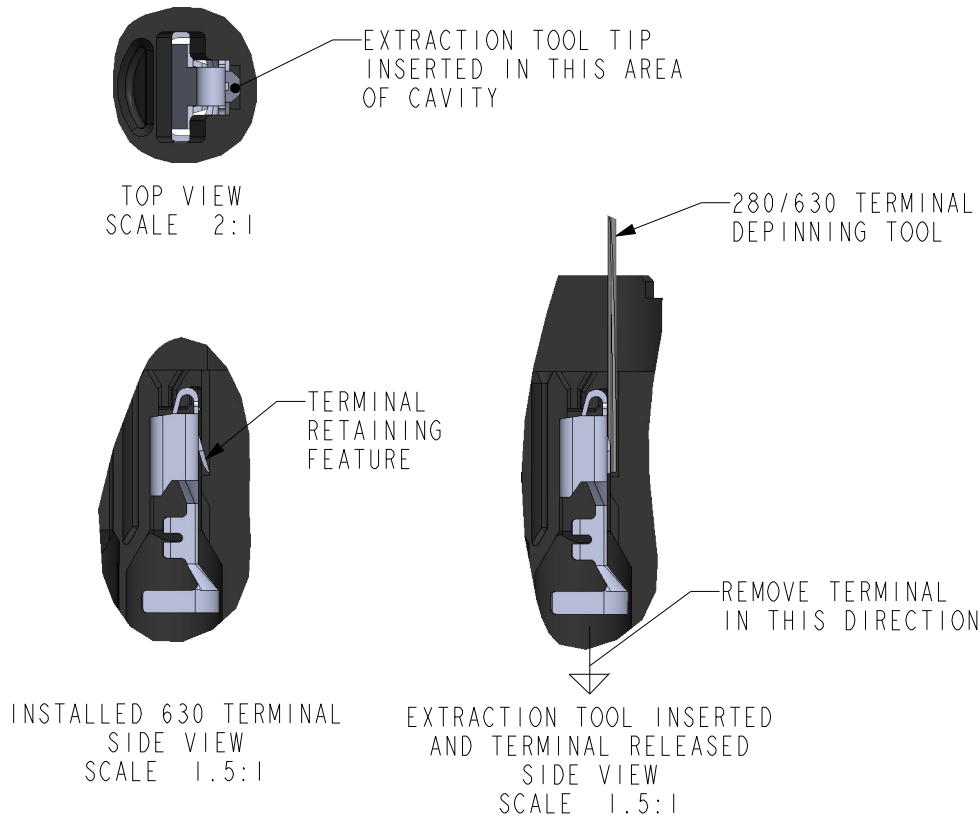
		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	11 OF 12	1:1	B

DEPINNING INSTRUCTIONS

280 TERMINAL DEPINNING



630 TERMINAL DEPINNING



		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PDM-S SERIES (SALES)		
DESCRIPTION:		POWER DISTRIBUTION MODULE - MODEL S, SERIES DRAWING		
CUSTOMER:		STANDARD		
METRIC (MM)	REV	SHEET	SCALE	SIZE
	8	12 OF 12	1:1	B