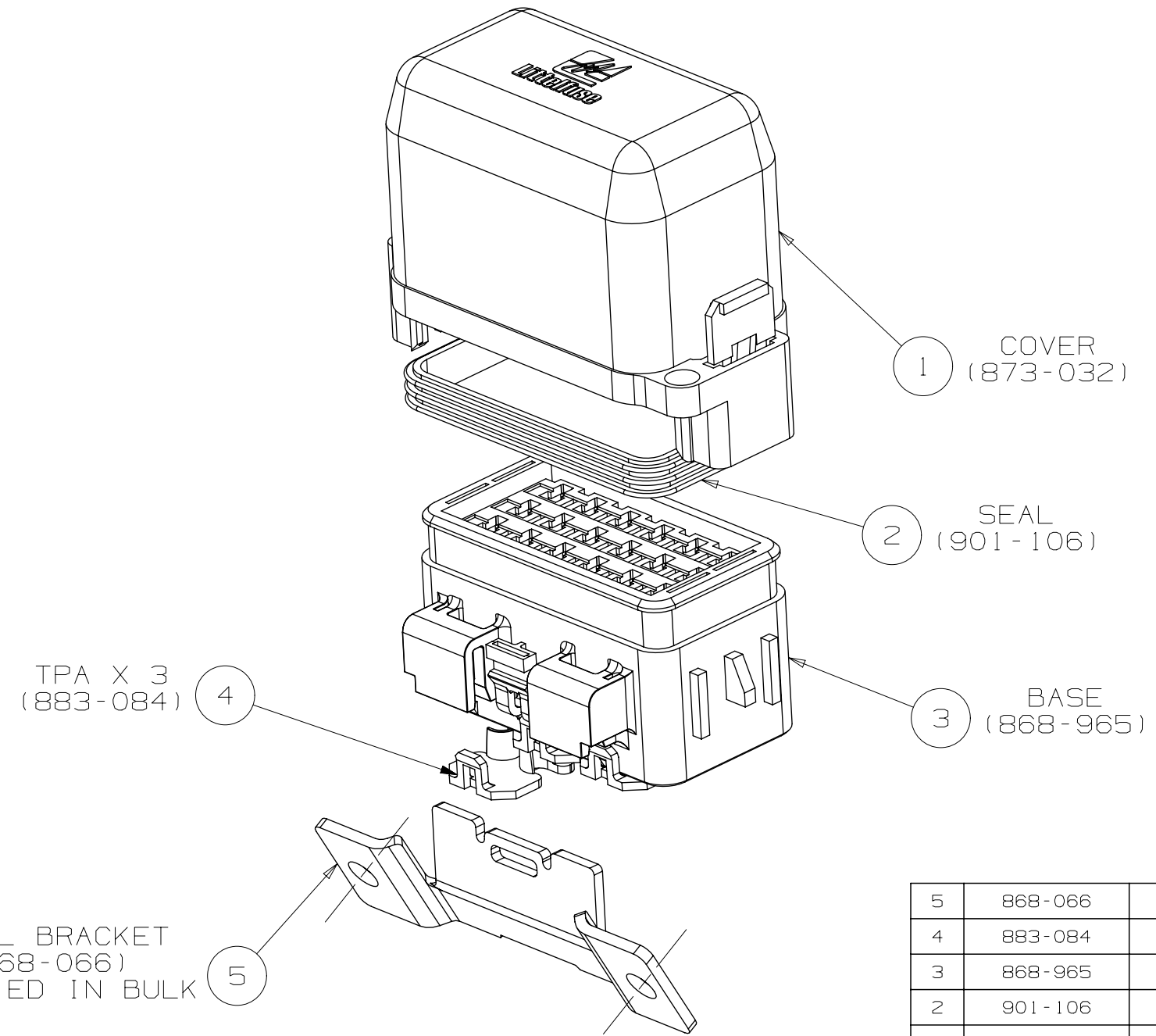
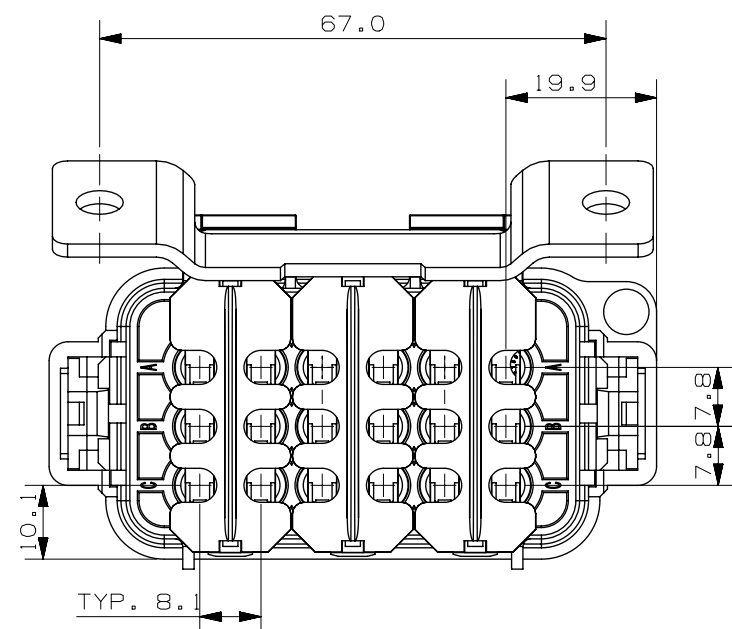
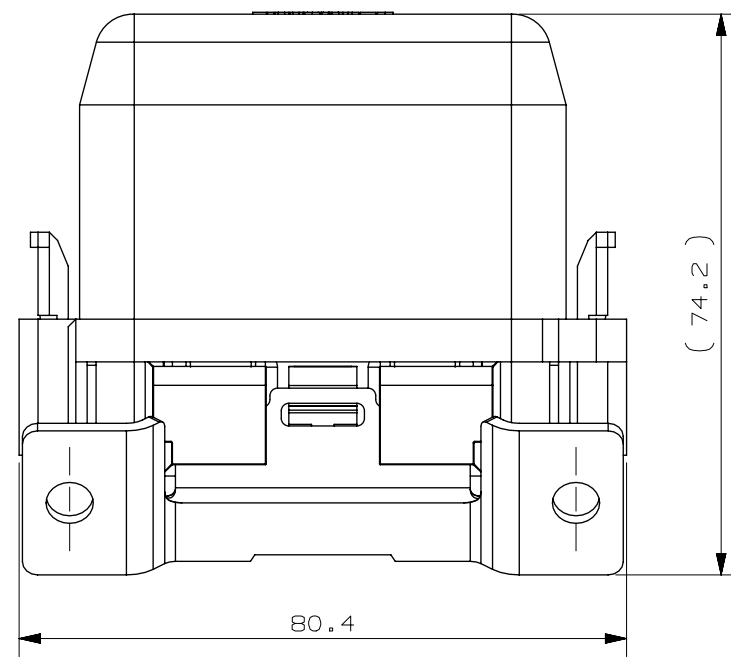
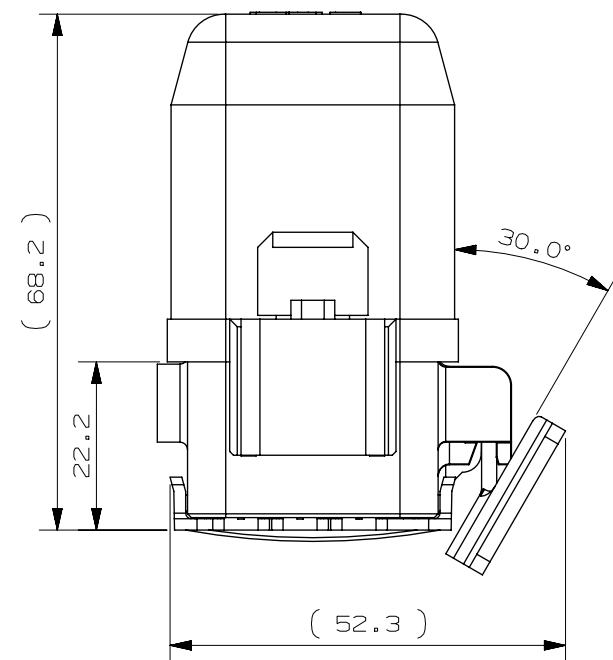
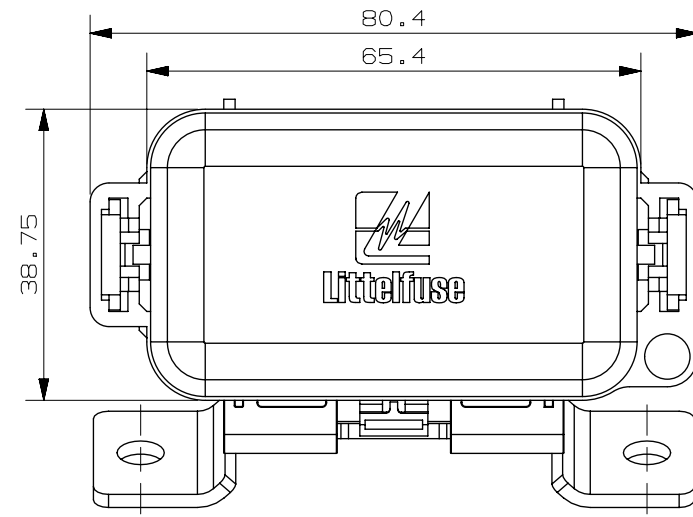


FEMALE TERMINAL FOR MINI FUSE					LTR	DATE	REVISION	CHK	APD
CABLE SIZE mm <sup>2</sup>	FEMALE TERMINAL (DELPHI 280 SEALED)	CABLE DIA	CABLE SEAL (DELPHI 280 METRI-PACK REEL/LOOSE)	COLOR	A	09/23/11	503307ERA - SEE ERN RD		
0.50 - 0.35	12084201	1.70 - 1.29	12034365/15324983	DARK RED	B	01/05/13	507139ECA - SEE ECO FYUE		
1.0 - 0.50	12077411	2.15 - 1.60	12089444/15324985	PURPLE	C	05/30/13	508391ECA - SEE ECO FYUE		
3.0 - 2.0	12129493	2.42 - 2.03	12041352/15324984	TAN	D	24/Mar/17	516851ECC - CHANGE BASE FYUE		
3.0	12077413	2.85 - 2.03	12015284/15324982	GREEN					
		3.49 - 2.81	12015359/15324980	GRAY					
		4.30 - 3.45	12015360/15324981	BLUE					
		CAVITY PLUG	12010300	GREEN					



METAL BRACKET (868-066) SUPPLIED IN BULK

NOTE:

- MATERIAL:  
BASE/COVER: NYLON66 - BLACK  
TPA: NYLON66 - BLUE  
SEAL: 30 DURO SILICONE (GREEN)
- TORQUE RATING: 5.5-6.5 Nm USING M6 BOLT & LOCK WASHER
- MAX. TOTAL CURRENT @ 23°C IS 100A  
MAX. TOTAL CURRENT @ 85°C IS 70A.  
ALL FUSE MUST NOT EXCEED 70% OF RATED CURRENT.
- OPERATING & STORAGE TEMPERATURE: -40°C TO 85°C
- ASSEMBLY MUST PASS IP67 IEC60529 TESTS.
- COVER MUST WITHSTAND A PULL FORCE OF 15-30N WHEN INSTALLED WITH SEAL AND BASE.
- TERMINAL RETENTION MUST MEET REQUIREMENTS OF USCAR 2 SECTION 5.4.1.3 USING PROPER DELPHI METRI-PACK TERMINALS (SEALED/TANGLSS):  
TERMINAL INSERTION FORCE: 30N MAX. (15N MAX. FOR WIRE SIZE <math>\leq 1\text{mm}^2</math>)  
TERMINAL EXTRACTION FORCE: 60N MIN.  
TERMINAL EXTRACTION FORCE WITH TPA INSTALLED: 90N MIN.
- PARTS ARE SHIPPED WITH TPA'S AND METAL BRACKETS AS BULK AND THE BASE WITH COVER AND SEAL INSTALLED.
- TO BE USED WITH FUSE PULLER 00970032Z.
- HOLDER MEETS L/F VALIDATION TEST SPEC. VS-00510.
- TO BE USED WITH DELPHI METRI-PACK TERMINALS AND SEALS.
- THE SEAL SHOULD NOT BE REMOVED NOR DISPLACED DURING TRANSPORT UNTIL IT IS USED FOR PRODUCTION.

NO	COMPONENT NO	DESCRIPTION	QTY/M	U/M
5	868-066	METAL BRACKET		
4	883-084	TPA		
3	868-965	BASE		
2	901-106	COVER SEAL		
1	873-032	COVER		

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN BRACKETS [ ] ARE INCHES

UNLESS OTHERWISE SPECIFIED, DIMENSIONS DO NOT INCLUDE PLATING.

⊙	DENOTES CRITICAL CHARACTERISTICS.
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE
ST	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE

COPIES TO	MATL SPEC
1 9 18	REFER TO NOTE 1
2 10 19	FINISH
3 12 20	
4 13 21	DRW RLDJ DATE 05/05/11 SCALE 1:1
5 14 23	CHK DATE SUPER DR
6 15 33	
7 16 43	APPD DATE FINSH GOOD WT
8 17 53	GRAMS/PIECE

TOLERANCES UNLESS OTHERWISE SPECIFIED (REF. ISO 2768-mK)	UP TO	OVER	UP TO	OVER	UP TO	OVER
DIMENSION	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	
TOLERANCE	+0.1	+0.1	+0.2	+0.3	+0.5	

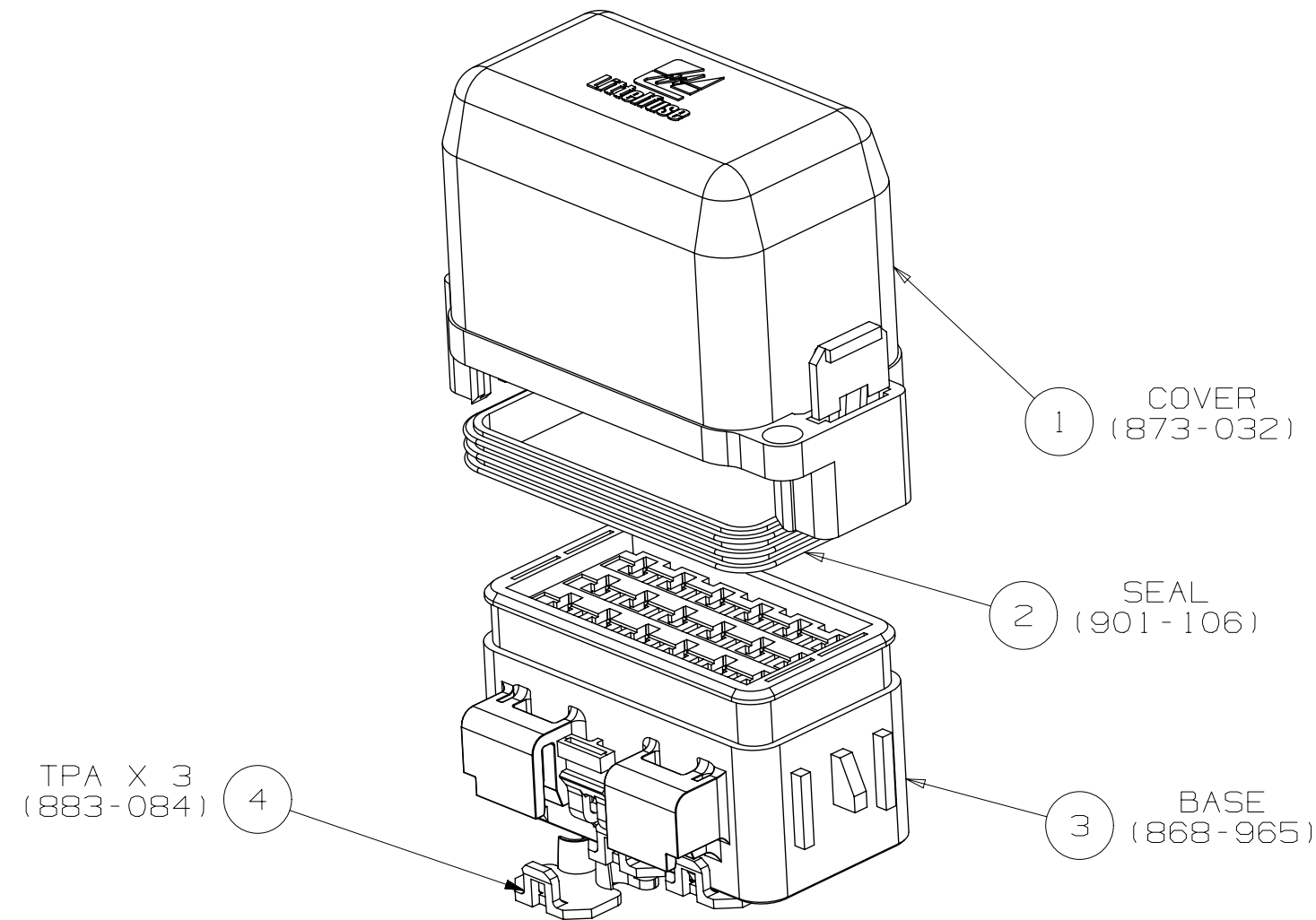
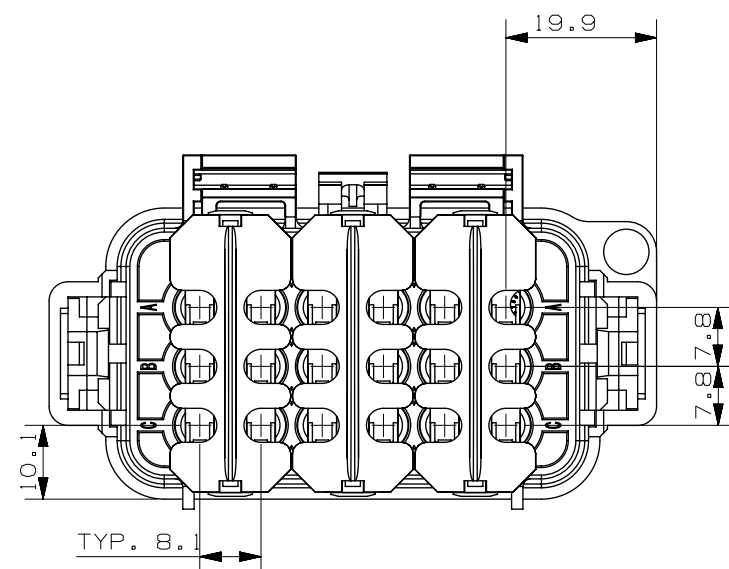
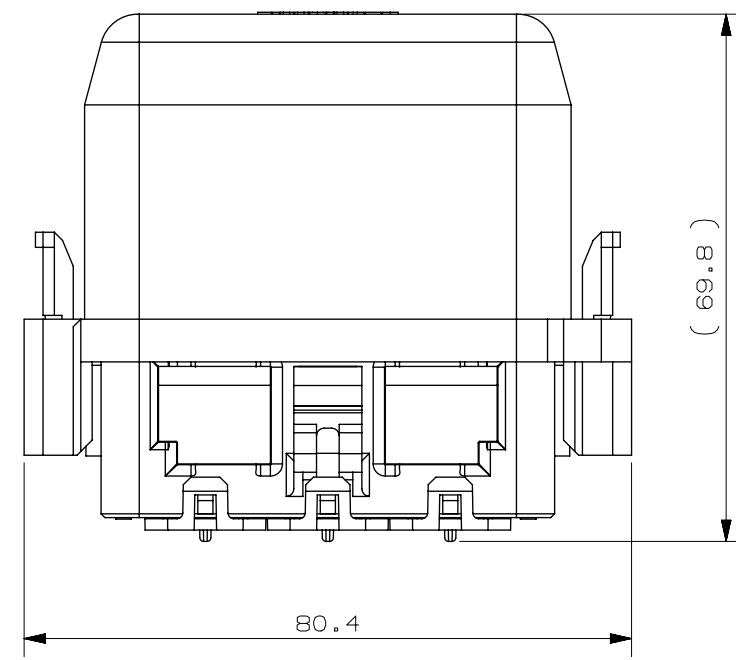
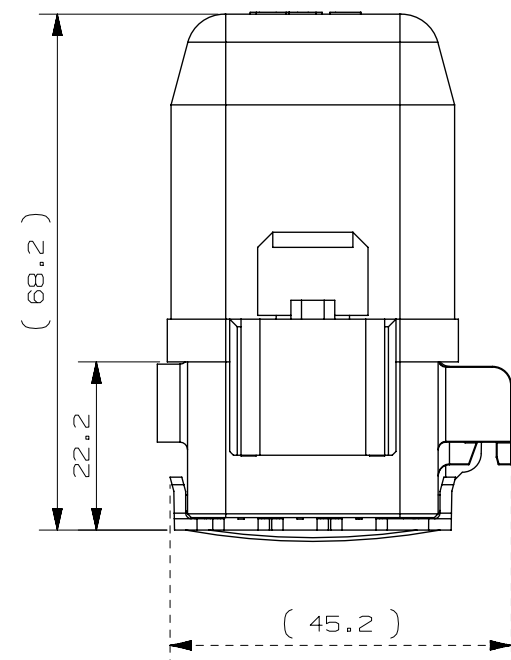
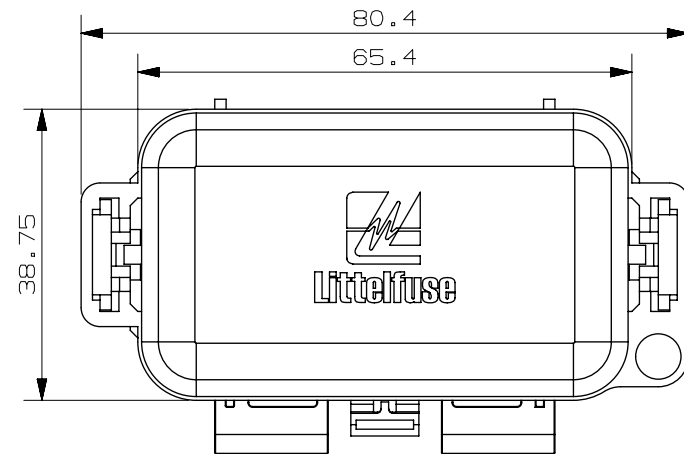
3RD ANGLE PROJECTION	TITLE	REVISION	DRWG. NO.
	18 WAY FUSE HOLDER ASSY (HWB18 ASSY)	D	01-PDM31001ZXM

METRIC ASSEMBLY

Littelfuse  
LIPA CITY, BATANGAS, PHILIPPINES

CAD GENERATED DRAWING - NO PENCIL CHANGES ALLOWED

FEMALE TERMINAL FOR MINI FUSE					LTR	DATE	REVISION	CHK	APD
CABLE SIZE mm <sup>2</sup>	FEMALE TERMINAL (DELPHI 280 SEALED)	CABLE DIA	CABLE SEAL (DELPHI 280 METRI-PACK REEL/LOOSE)	COLOR	A	09/23/11	503307ERA - SEE ERN RD		
0.50 - 0.35	12084201	1.70 - 1.29	12034365/15324983	DARK RED	B	01/05/13	507139ECA - SEE ECO FYUE		
1.0 - 0.50	12077411	2.15 - 1.60	12089444/15324985	PURPLE	C	05/30/13	508391ECA - SEE ECO FYUE		
3.0 - 2.0	12129493	2.42 - 2.03	12041352/15324984	TAN	D	24/Mar/17	516851ECC - CHANGE BASE FYUE		
3.0	12077413	2.85 - 2.03	12015284/15324982	GREEN					
		3.49 - 2.81	12015359/15324980	GRAY					
		4.30 - 3.45	12015360/15324981	BLUE					
		CAVITY PLUG	12010300	GREEN					



NOTE:

- MATERIAL:  
BASE/COVER: NYLON66 - BLACK  
TPA: NYLON66 - BLUE  
SEAL: 30 DURO SILICONE (GREEN)
- TORQUE RATING: 5.5-6.5 Nm USING M6 BOLT & LOCK WASHER
- MAX. TOTAL CURRENT @ 23°C IS 100A  
MAX. TOTAL CURRENT @ 85°C IS 70A.  
ALL FUSE MUST NOT EXCEED 70% OF RATED CURRENT.
- OPERATING & STORAGE TEMPERATURE: -40°C TO 85°C
- ASSEMBLY MUST PASS IP67 IEC60529 TESTS.
- COVER MUST WITHSTAND A PULL FORCE OF 15-30N WHEN INSTALLED WITH SEAL AND BASE.
- TERMINAL RETENTION MUST MEET REQUIREMENTS OF USCAR 2 SECTION 5.4.1.3 USING PROPER DELPHI METRI-PACK TERMINALS (SEALED/TANGLSS):  
TERMINAL INSERTION FORCE: 30N MAX. (15N MAX. FOR WIRE SIZE <math>\leq 1\text{mm}^2</math>)  
TERMINAL EXTRACTION FORCE: 60N MIN.  
TERMINAL EXTRACTION FORCE WITH TPA INSTALLED: 90N MIN.
- PARTS ARE SHIPPED WITH TPA'S AS BULK AND THE BASE WITH COVER AND SEAL INSTALLED.
- TO BE USED WITH FUSE PULLER 00970032Z.
- HOLDER MEETS L/F VALIDATION TEST SPEC. VS-00510.
- TO BE USED WITH DELPHI METRI-PACK TERMINALS AND SEALS.
- THE SEAL SHOULD NOT BE REMOVED NOR DISPLACED DURING TRANSPORT UNTIL IT IS USED FOR PRODUCTION.

NO	COMPONENT NO	DESCRIPTION	QTY/M	U/M
4	883-084	TPA		
3	868-965	BASE		
2	901-106	COVER SEAL		
1	873-032	COVER		

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
DIMENSIONS IN BRACKETS [ ] ARE INCHES

UNLESS OTHERWISE SPECIFIED, DIMENSIONS DO NOT INCLUDE PLATING.

⊙ DENOTES CRITICAL CHARACTERISTICS.

CPK DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE

ST DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS

CP DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE

COPIES TO MATL SPEC REFER TO NOTE 1

1	9	18	FINISH			
2	10	19				
3	12	20				
4	13	21	DRW	RLDJ	DATE 05/05/11	SCALE 1:1
5	14	23	CHK		DATE	SUPER DR
6	15	33	APPD		DATE	FINSH GOOD WT
7	16	43	GRAMS/PIECE			
8	17	53	TOLERANCES UNLESS OTHERWISE SPECIFIED (REF. ISO 2768-mK)			
DIMENSION	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	
TOLERANCE	+0.1	+0.2	+0.3	+0.5		

3RD ANGLE PROJECTION

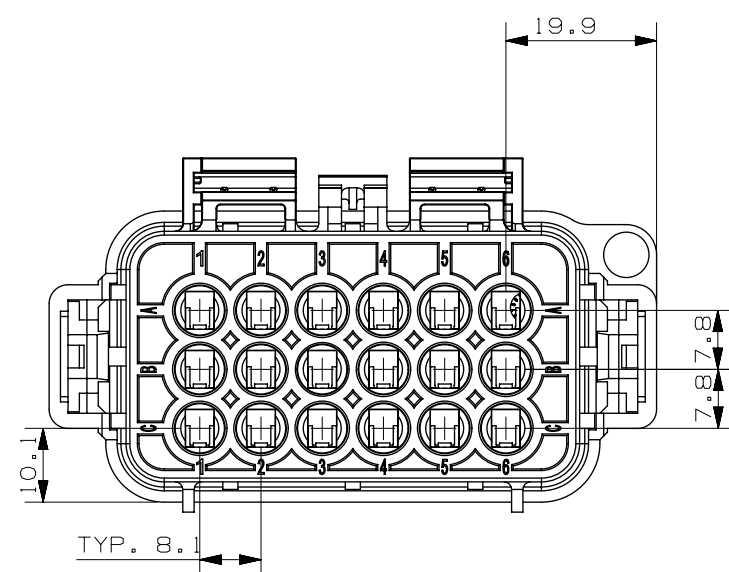
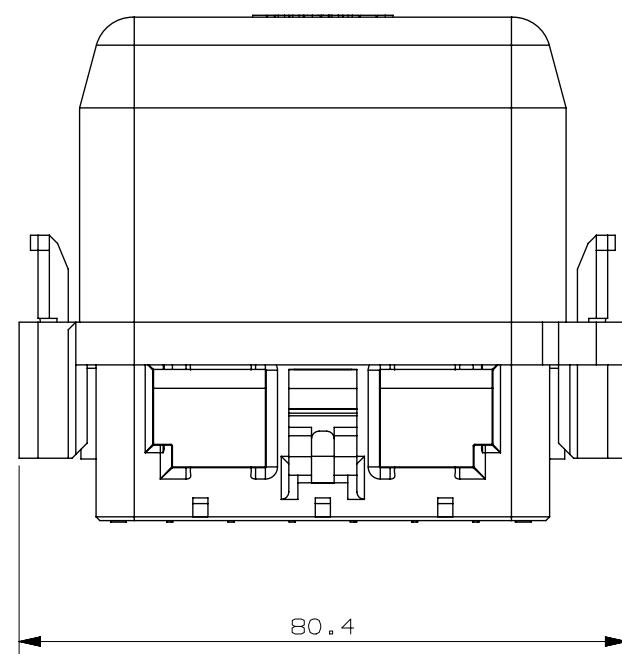
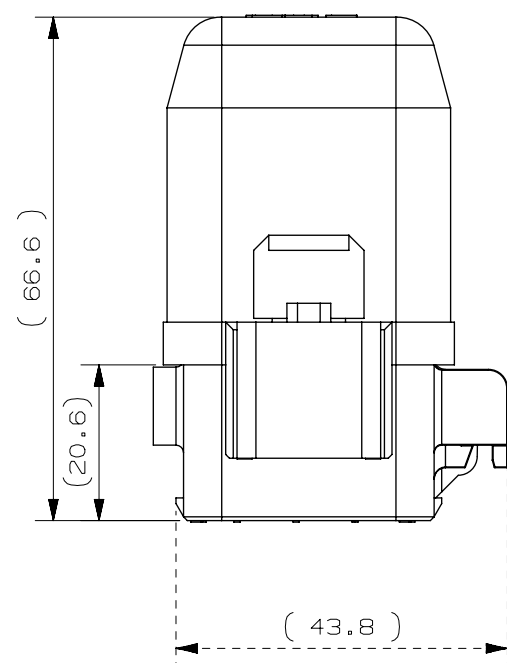
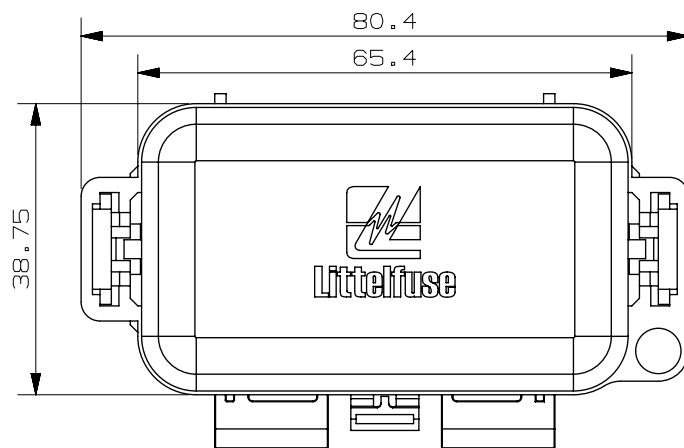
TITLE 18 WAY FUSE HOLDER ASSY (HWB18 ASSY)

METRIC ASSEMBLY

Littelfuse LIPA CITY, BATANGAS, PHILIPPINES

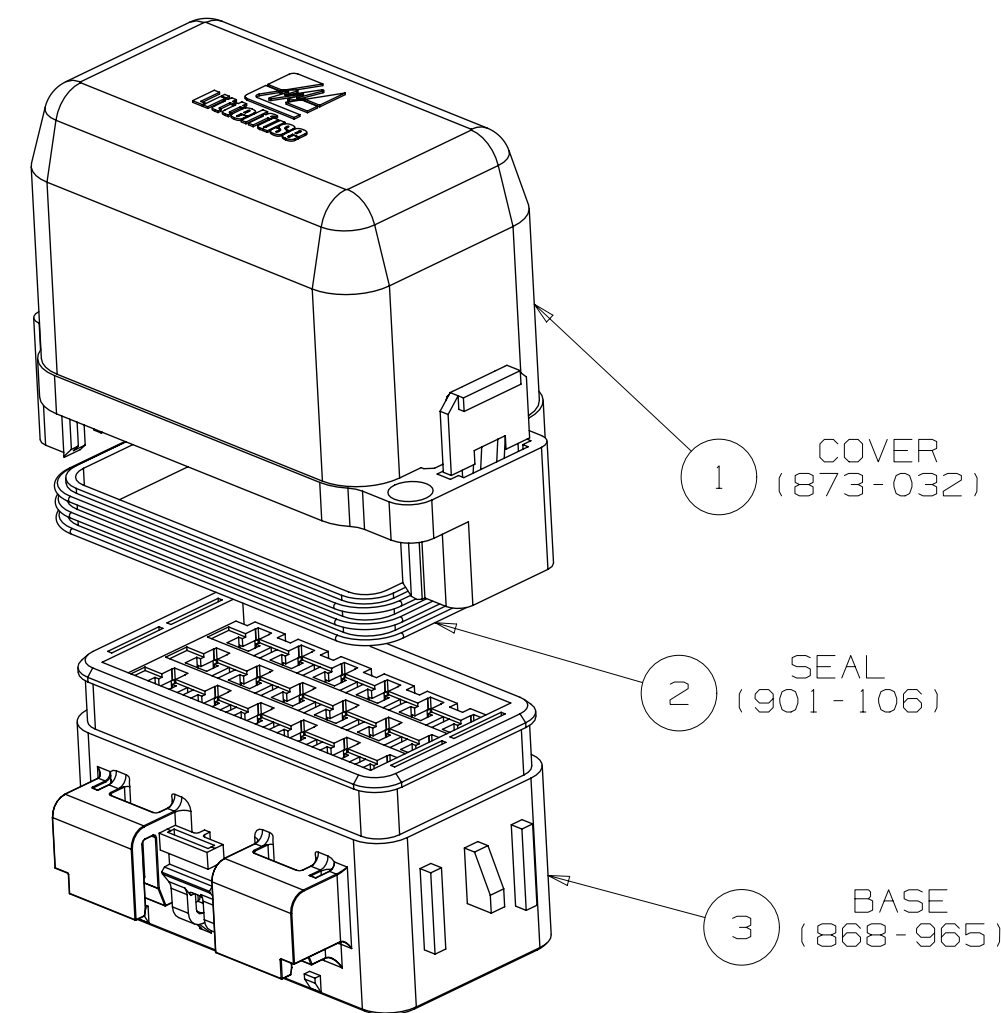
REVISION D DRWG. NO. 01-PDM31002ZXM

CAD GENERATED DRAWING - NO PENCIL CHANGES ALLOWED



FEMALE TERMINAL FOR MINI FUSE				
CABLE SIZE mm <sup>2</sup>	FEMALE TERMINAL (DELPHI 280 SEALED)	CABLE DIA	CABLE SEAL (DELPHI 280 METRI-PACK REEL/LOOSE)	COLOR
0.50 - 0.35	12084201	1.70 - 1.29	12034365/15324983	DARK RED
1.0 - 0.50	12077411	2.15 - 1.60	12089444/15324985	PURPLE
3.0 - 2.0	12129493	2.42 - 2.03	12041352/15324984	TAN
3.0	12077413	2.85 - 2.03	12015284/15324982	GREEN
		3.49 - 2.81	12015359/15324980	GRAY
		4.30 - 3.45	12015360/15324981	BLUE
		CAVITY PLUG	12010300	GREEN

LTR	DATE	REVISION	CHK	APD
A	09/23/11	503307ERA - SEE ERN RD		
B	01/05/13	507139ECA - SEE ECO FYUE		
C	05/30/13	508391ECA - SEE ECO FYUE		
D	24/Mar/17	516851ECC - CHANGE BASE FYUE		



3	868-965	BASE		
2	901-106	COVER SEAL		
1	873-032	COVER		
NO	COMPONENT NO	DESCRIPTION	QTY/M	U/M

**BILL OF MATERIAL**

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN BRACKETS [ ] ARE INCHES

UNLESS OTHERWISE SPECIFIED, DIMENSIONS DO NOT INCLUDE PLATING.

⊙	DENOTES CRITICAL CHARACTERISTICS.
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE
ST	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE

COPIES TO	MATL SPEC	REFER TO NOTE 1
1 9 18	FINISH	
2 10 19		
3 12 20		
4 13 21	DRW	RLDJ DATE 05/05/11 SCALE 1:1
5 14 23	CHK	DATE SUPER DR
6 15 33		
7 16 43	APPD	DATE FINSH GOOD WT
8 17 53		GRAMS/PIECE

TOLERANCES UNLESS OTHERWISE SPECIFIED (REF. ISO 2768-mK)	UP TO	OVER	UP TO	OVER	UP TO	OVER	UP TO	OVER		
DIMENSION	0.5	3	3	6	6	30	30	120	120	400
TOLERANCE	+0.1	+0.1	+0.2	+0.2	+0.3	+0.3	+0.5	+0.5	+0.5	+0.5

3RD ANGLE PROJECTION	TITLE	18 WAY FUSE HOLDER ASSY (HWB18 ASSY)
METRIC ASSEMBLY	REVISION	D
Littelfuse	DRWG. NO.	01-PDM31003ZXM
LIPA CITY, BATANGAS, PHILIPPINES		

**NOTE:**

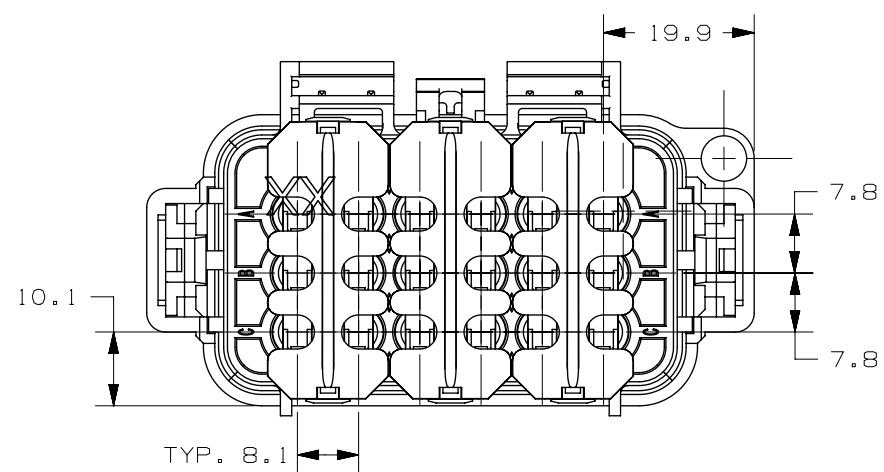
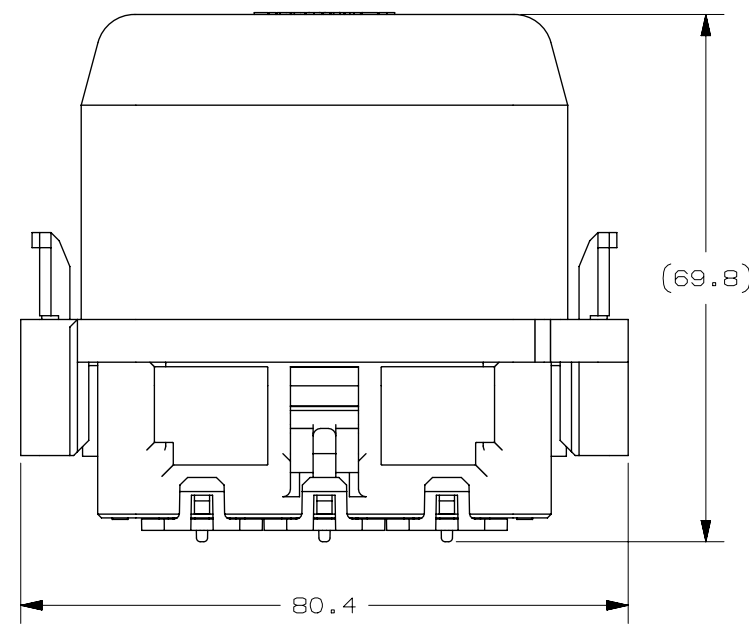
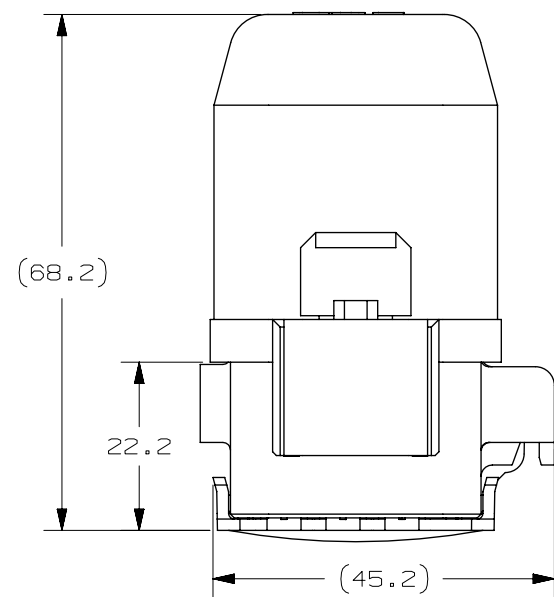
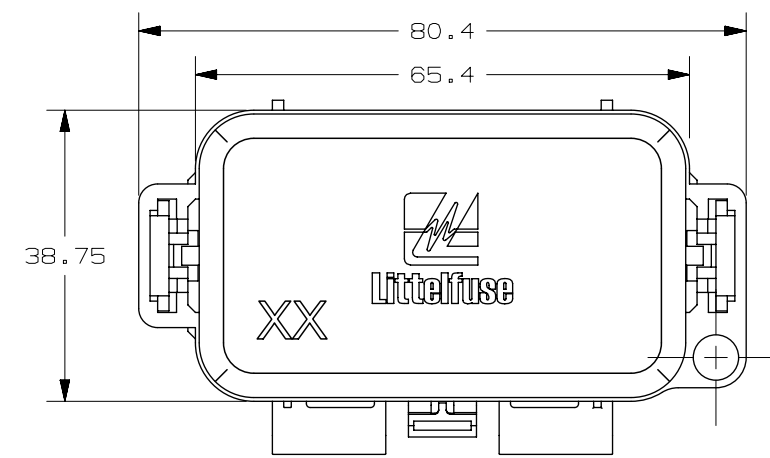
- MATERIAL:  
BASE/COVER: NYLON66 - BLACK  
SEAL: 30 DURO SILICONE (GREEN)
- TORQUE RATING: 5.5-6.5 Nm USING M6 BOLT & LOCK WASHER
- MAX. TOTAL CURRENT @ 23°C IS 100A  
MAX. TOTAL CURRENT @ 85°C IS 70A.  
ALL FUSE MUST NOT EXCEED 70% OF RATED CURRENT.
- OPERATING & STORAGE TEMPERATURE: -40°C TO 85°C
- ASSEMBLY MUST PASS IP67 IEC60529 TESTS.
- COVER MUST WITHSTAND A PULL FORCE OF 15-30N WHEN INSTALLED WITH SEAL AND BASE.
- TERMINAL RETENTION MUST MEET REQUIREMENTS OF USCAR 2 SECTION 5.4.1.3 USING PROPER DELPHI METRI-PACK TERMINALS (SEALED/TANGLSS):  
TERMINAL INSERTION FORCE: 30N MAX. (15N MAX. FOR WIRE SIZE <math>\leq 1\text{mm}^2</math>)  
TERMINAL EXTRACTION FORCE: 60N MIN.  
TERMINAL EXTRACTION FORCE WITH TPA INSTALLED: 90N MIN.
- PARTS ARE SHIPPED WITH THE BASE WITH COVER AND SEAL INSTALLED.
- TO BE USED WITH FUSE PULLER 00970032Z.
- HOLDER MEETS L/F VALIDATION TEST SPEC. VS-00510.
- TO BE USED WITH DELPHI METRI-PACK TERMINALS AND SEALS.
- THE SEAL SHOULD NOT BE REMOVED NOR DISPLACED DURING TRANSPORT UNTIL IT IS USED FOR PRODUCTION.

**METRIC**  
ASSEMBLY

**Littelfuse**  
LIPA CITY, BATANGAS, PHILIPPINES

REVISION: D  
DRWG. NO.: 01-PDM31003ZXM

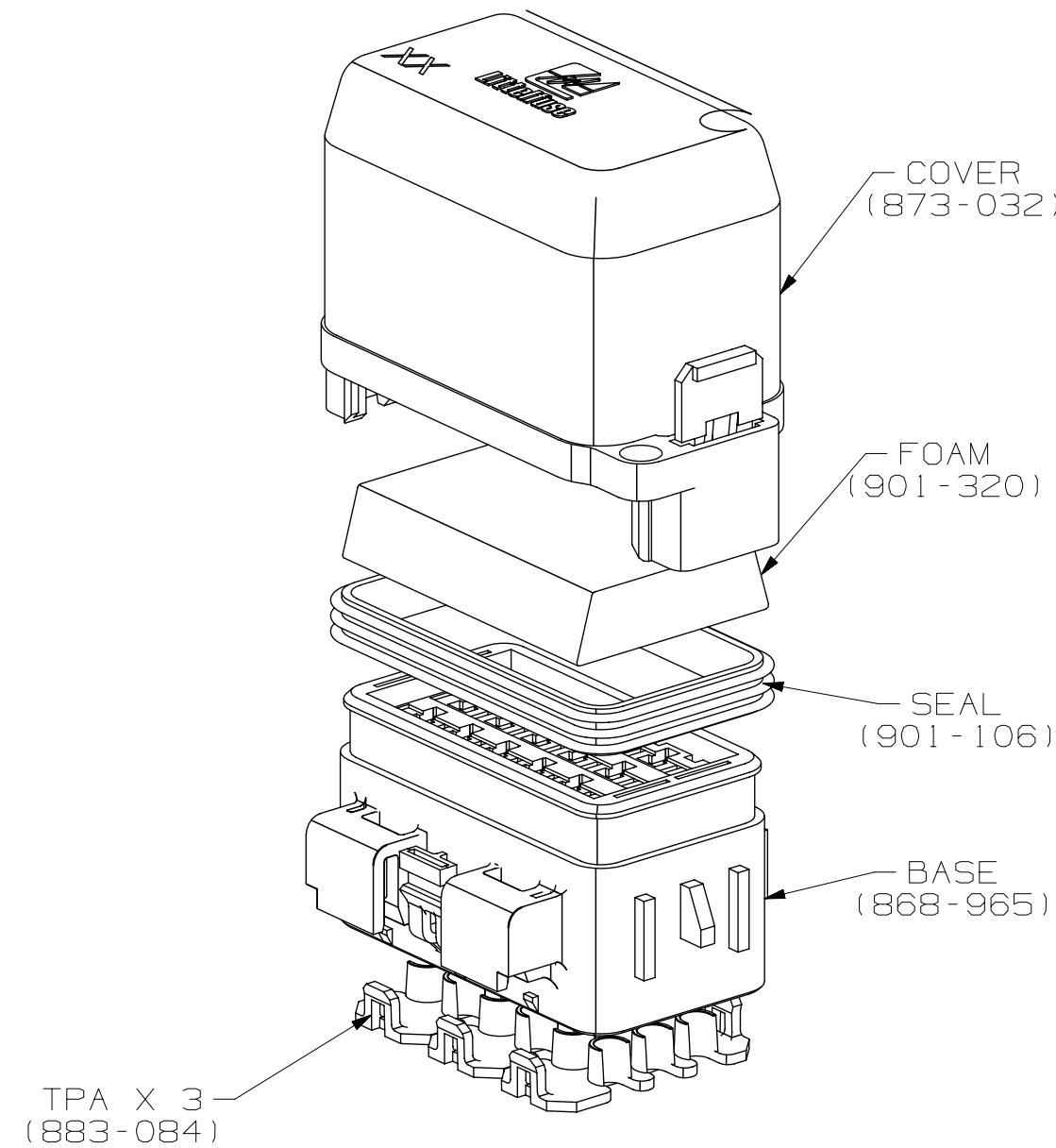
CAD GENERATED DRAWING - NO PENCIL CHANGES ALLOWED



NOTE:

- MATERIAL:  
 BASE/COVER: NYLON66 - BLACK  
 TPA: NYLON66 - BLUE  
 SEAL: 30 DURO SILICONE (GREEN)  
 FOAM: SILICONE RUBBER, RUST RED
- TORQUE RATING: 5.5-6.5 Nm USING M6 BOLT & LOCK WASHER
- MAX. TOTAL CURRENT @ 23°C IS 100A  
 MAX. TOTAL CURRENT @ 85°C IS 70A.  
 ALL FUSE MUST NOT EXCEED 70% OF RATED CURRENT.
- OPERATING & STORAGE TEMPERATURE: -40°C TO 85°C
- ASSEMBLY MUST PASS IP67 IEC60529 TESTS.
- COVER MUST WITHSTAND A PULL FORCE OF 15-30N WHEN INSTALLED WITH SEAL AND BASE.
- TERMINAL RETENTION MUST MEET REQUIREMENTS OF USCAR 2 SECTION 5.4.1.3 USING PROPER DELPHI METRI-PACK TERMINALS (SEALED/TANGLSS):  
 TERMINAL INSERTION FORCE: 30N MAX. (15N MAX. FOR WIRE SIZE <math>\leq 1\text{mm}^2</math>)  
 TERMINAL EXTRACTION FORCE: 60N MIN.  
 TERMINAL EXTRACTION FORCE WITH TPA INSTALLED: 90N MIN.
- PARTS ARE SHIPPED WITH TPA'S AS BULK AND THE BASE WITH COVER AND SEAL INSTALLED.
- TO BE USED WITH FUSE PULLER 00970032Z.
- THE SEAL SHOULD NOT BE REMOVED NOR DISPLACED DURING TRANSPORT UNTIL IT IS USED FOR PRODUCTION.
- FOAM MUST BE PRESSED INTO BOTTOM OF COVER.
- ADD SILVER/WHITE "XX" MARK ON COVER CORNER.

FEMALE TERMINAL FOR MINI FUSE					LTR	DATE	REVISION	CHK	APD
CABLE SIZE mm <sup>2</sup>	FEMALE TERMINAL (DELPHI 280 SEALED)	CABLE DIA	CABLE SEAL (DELPHI 280 METRI-PACK REEL/LOOSE)	COLOR	A	04/12/13	50804BERA-NEW RELEASE	FYUE	
0.50 - 0.35	12084201	1.70 - 1.29	12034365/15324983	DARK RED	B	06/03/13	508417ECA - SEE ECO	FYUE	
1.0 - 0.50	12077411	2.15 - 1.60	12089444/15324985	PURPLE	C	13/Mar/17	517172ECC-CHANGE BASE 868-965 WAS 868-063	FYUE	
3.0 - 2.0	12129493	2.42 - 2.03	12041352/15324984	TAN					
3.0	12077413	2.85 - 2.03	12015284/15324982	GREEN					
		3.49 - 2.81	12015359/15324980	GRAY					
		4.30 - 3.45	12015360/15324981	BLUE					
		CAVITY PLUG	12010300	GREEN					



NO	COMPONENT NO	DESCRIPTION	QTY/M	U/M
-				
-				
-				

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
 DIMENSIONS IN BRACKETS [ ] ARE INCHES  
 UNLESS OTHERWISE SPECIFIED, DIMENSIONS DO NOT INCLUDE PLATING.

⊙	DENOTES CRITICAL CHARACTERISTICS.
CPK	DENOTES CPK DIMENSIONS, -MINIMUM CPK VALUE
ST	DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE. PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN LITTELFUSE INSPECTION INSTRUCTIONS
CP	DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE

COPIES TO	MATL SPEC
1 9 18	FINISH DRW FYUE DATE 04/12/13 SCALE 1:1 CHK DATE SUPER DR APPD DATE FINSH GOOD WT GRAMS/PIECE
2 10 19	
3 12 20	
4 13 21	
5 14 23	
6 15 33	
7 16 43	
8 17 53	

TOLERANCES UNLESS OTHERWISE SPECIFIED (REF. ISO 2768-mK)					
DIMENSION	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400
TOLERANCE	+0.1	+0.1	+0.2	+0.3	+0.5

3RD ANGLE PROJECTION  
 TITLE 18 WAY FUSE HOLDER WITH FOAM

METRIC  
 ASSEMBLY

Littelfuse	REVISION C	DRWG. NO. OL-PDM31004ZXM	OUTLINE
CHICAGO, USA 773-628-1000			

CAD GENERATED DRAWING - NO PENCIL CHANGES ALLOWED (REV C)