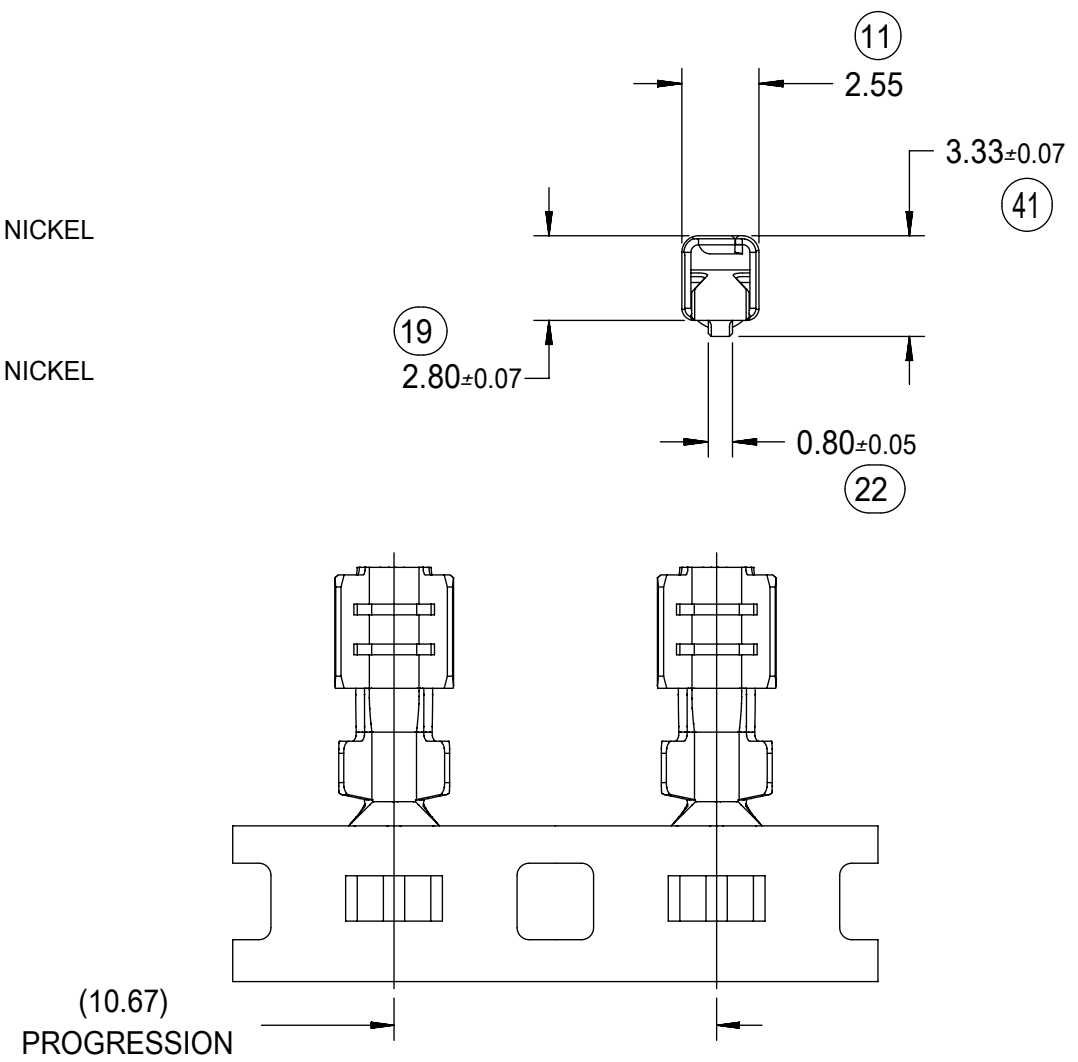


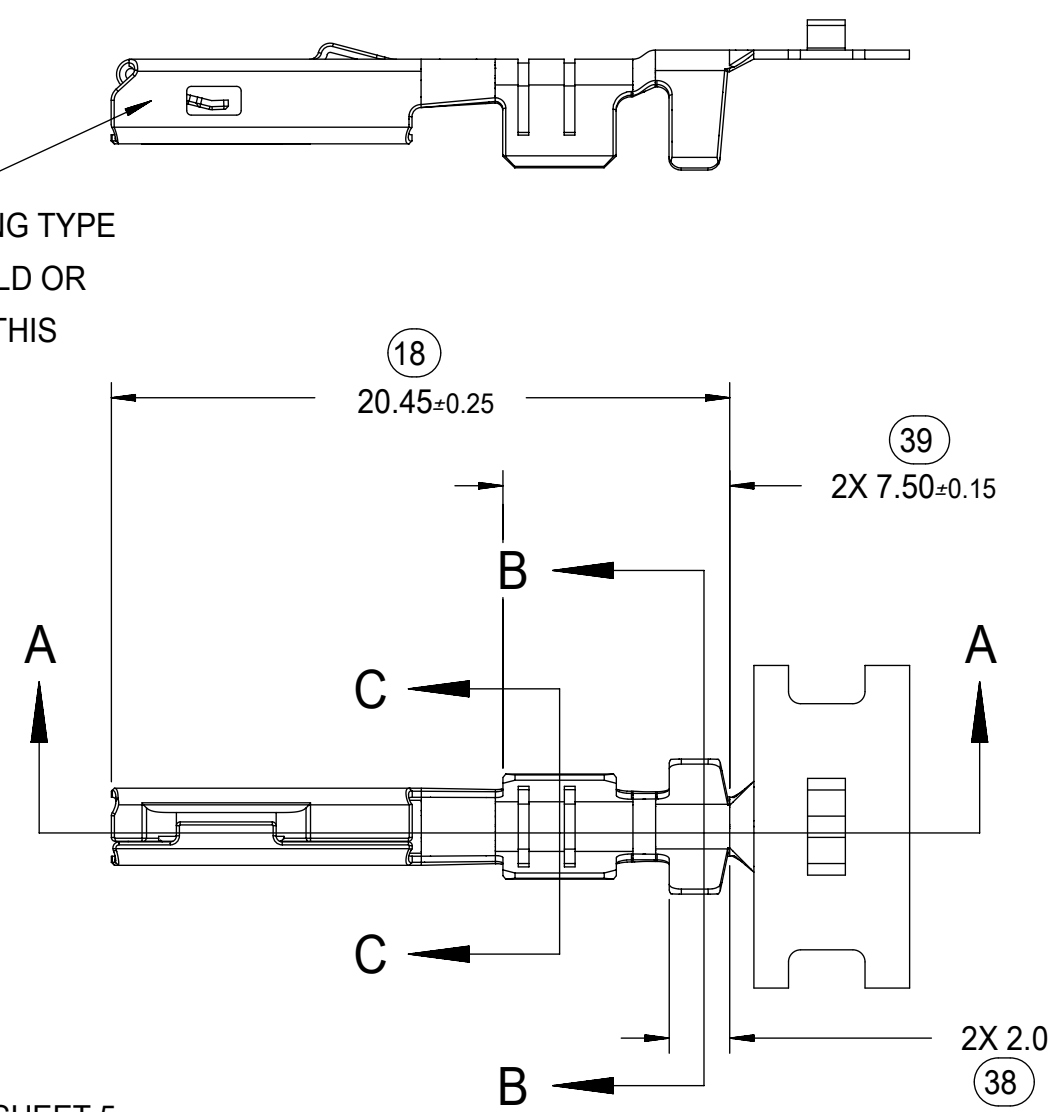
DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY

NOTES: (UNLESS OTHERWISE SPECIFIED)

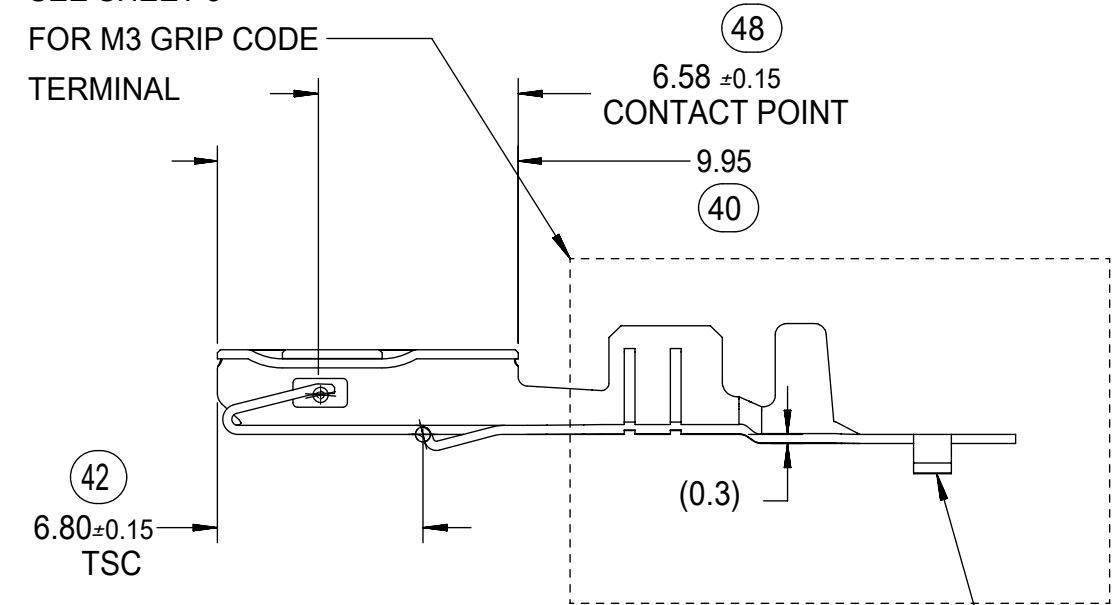
1. MATING TERMINAL SHOWN ON SD-33000-001
2. MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ±0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA
3. TIN PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN
4. GOLD PLATED TERMINAL FINISH
OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED GOLD
GRIP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
5. SILVER PLATED TERMINAL FINISH
OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED PURE SILVER (0.5% MAX
IMPURITIES) SEMI-BRIGHT FINISH
- SILVER ANTI-TARNISH : EVABRITE
GRIP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
6. MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL
ELECTRICAL CRIMPS PER SAE/USCAR-21 (8/2001)
7. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL
CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3)
(5/2004)
8. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION
(SDS) REV.11 (5/2002)
9. MEETS FIELD CORRELATED LIFE TEST (FCLT) PER
SAE/USCAR-20 (6/2004)
10. MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12
REV 2 (12/2001)
11. TSC ON A DIMENSION TO BE INTERPRETED AS DISTANCE TO
A THEORETICAL SHARP CORNER AS IF THE RADIUS WERE NOT
PRESENT
12. REFERENCE 97BG-14474-AAB FOR LARGE POLARIZATION RIB
CAVITY SPECIFICATION
13. INSERTION FORCE (TIN) AVG. FROM PV TESTING =
3.8N LARGE POLARIZATION RIB
3.5N SMALL POLARIZATION RIB
(REFERENCE)
14. ALL DIMENSIONS EXCEPT (33), (34), (41) & (42) ARE COMMON TO
BOTH SMALL AND LARGE POLARIZATION RIB TERMINALS
15. REFERENCE PK-31300-516 FOR REEL DIRECTION
16. REFERENCE AS-33012-002 FOR CRIMP INFORMATION



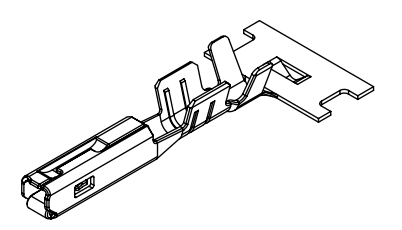
STAMP PLATING TYPE
Sn-TIN, Au-GOLD OR
Ag-SILVER IN THIS
AREA



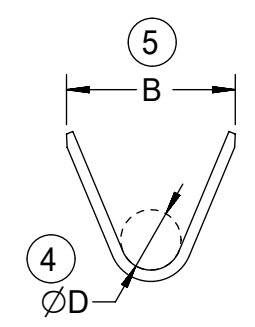
SEE SHEET 5
FOR M3 GRIP CODE
TERMINAL



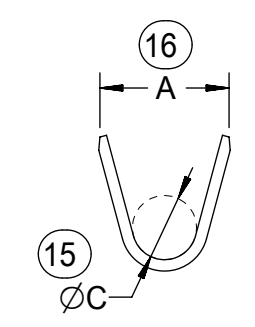
SECTION A-A



SCALE 2:1



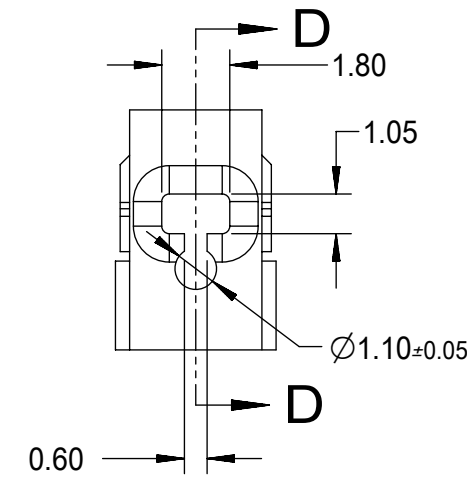
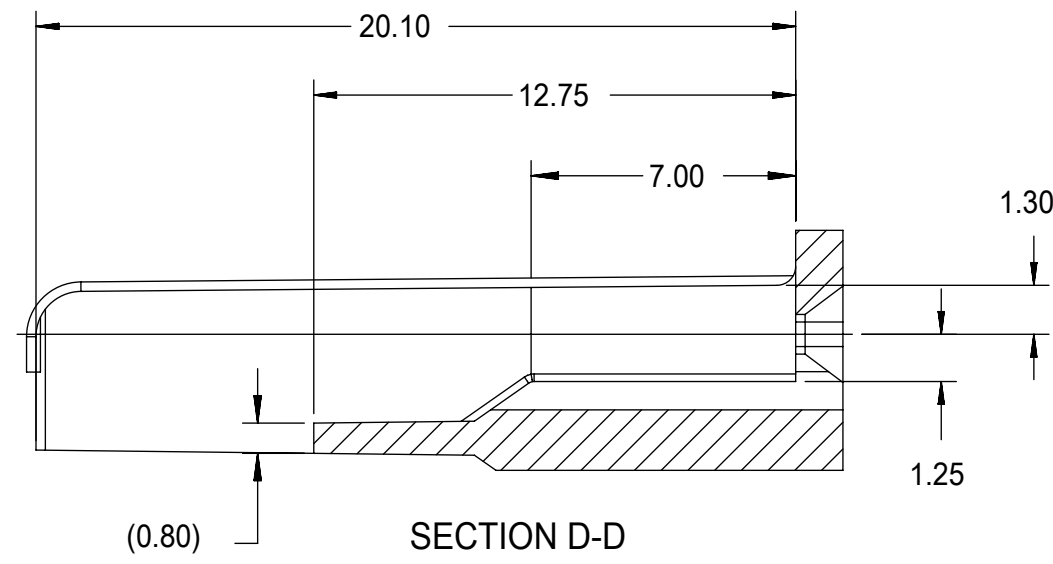
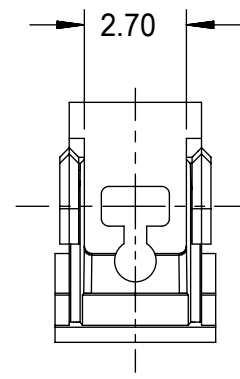
SECTION B-B
SCALE 5:1



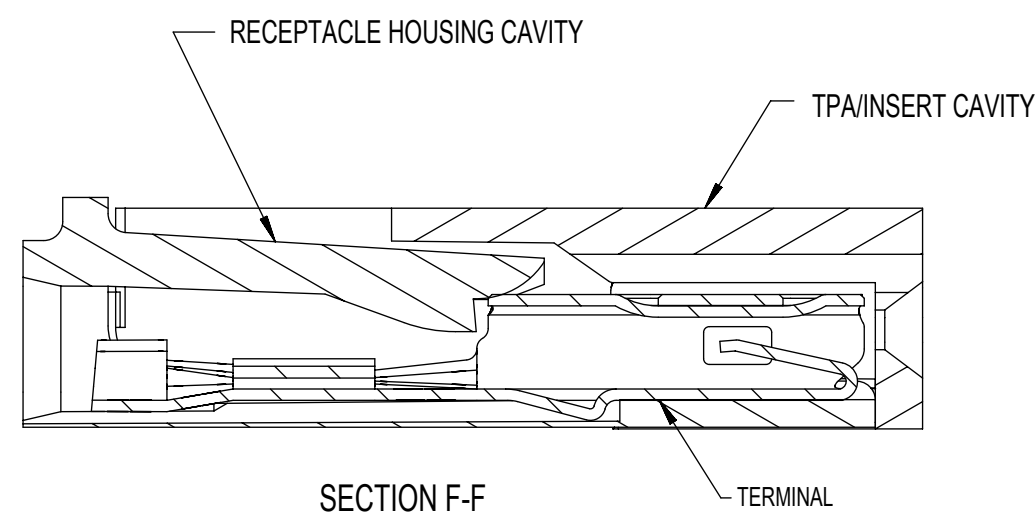
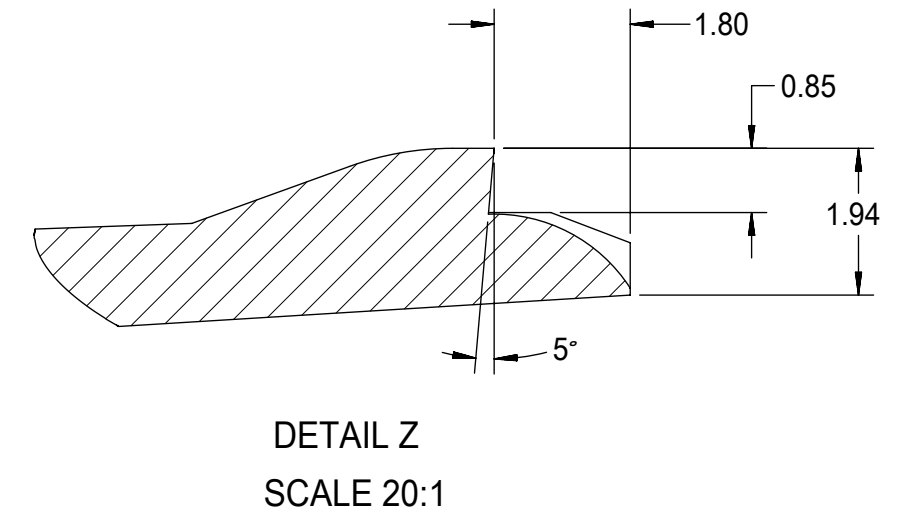
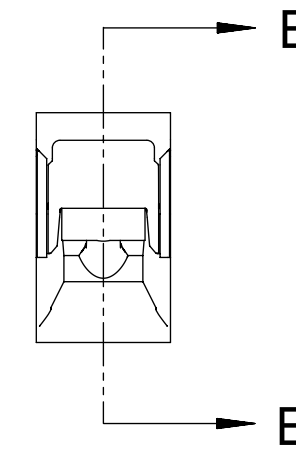
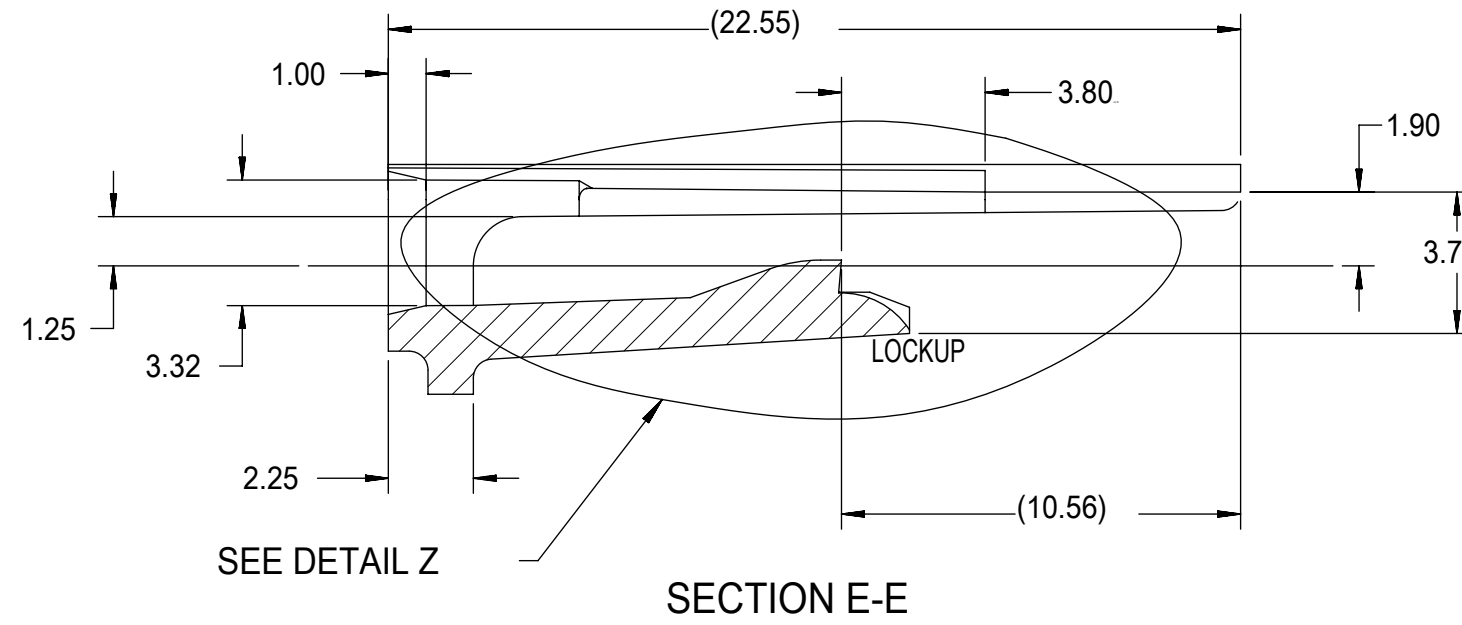
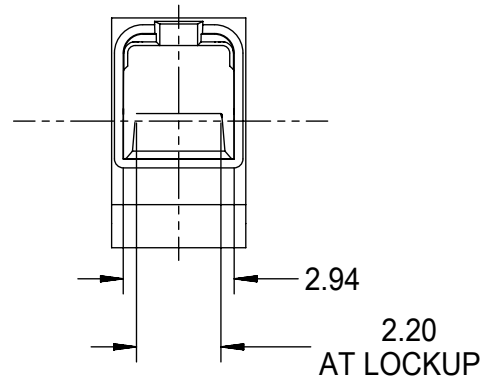
SECTION C-C
SCALE 5:1

CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINALS
POINTS UP FOR PRECIOUS PLATED TERMINALS

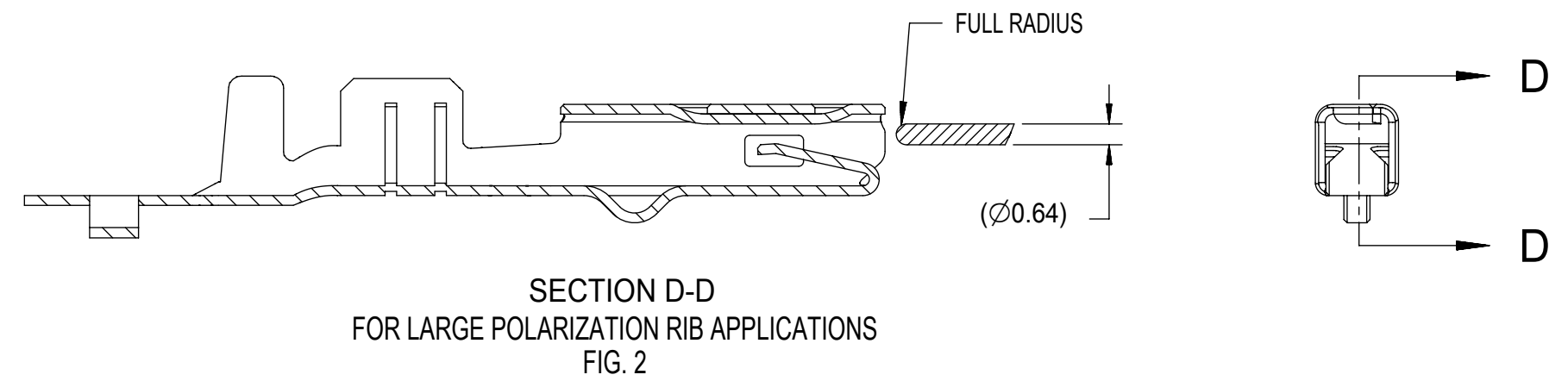
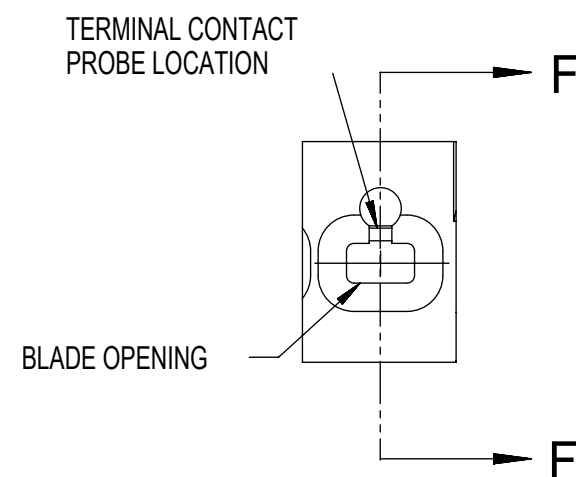
SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC:															
mm		4:1		EC NO: 645050															
GENERAL TOLERANCES (UNLESS SPECIFIED)				DRWN: BSKANTHARAJU 2020/09/03															
ANGULAR TOL ± 3.0°				CHK'D: JCUATACERVAN 2020/09/18															
4 PLACES ±				APPR: JCUATACERVAN 2020/09/18															
3 PLACES ±				INITIAL REVISION:															
2 PLACES ± 0.10				DRWN: LPULLIAM 2005/06/21															
1 PLACE ± 0.3				APPR: BMOSEY 2005/06/22															
0 PLACES ±				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
C-SIZE		33012		SEE TABLE		GENERAL MARKET		SD-33012-002		PSD		001		D		SHEET NUMBER		1 OF 5	



- NOTES: UNLESS OTHERWISE SPECIFIED
1. TOLERANCES: LINEAR ± 0.10
ANGULAR $\pm 3^\circ$
 2. ALL DRAFT WITHIN TOLERANCE.
 3. MAX RADII ON ALL CORNERS SHOWN SHARP: 0.10
 4. MAX FLASH PERMISSIBLE: 0.1
 5. EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE.
 6. MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR MATERIAL WITH THE FOLLOWING PROPERTIES:
A. FLEXURAL MODULUS = 4,500 TO 9,400 MPa
PER ASTM TEST D790
B. ELONGATION AT YIELD = 2.3% OR BETTER
PER ASTM TEST D638 TYPE V
 7. CAVITY SPEC FOR USE ONLY WITH MOLEX RECEPTACLE TERMINAL PART NUMBERS SPECIFIED ELSEWHERE ON THIS DRAWING



RECEPTACLE CAVITY ASSEMBLED VIEWS FOR SMALL POLARIZATION RIB APPLICATIONS FIG. 1



SECTION D-D FOR LARGE POLARIZATION RIB APPLICATIONS FIG. 2

PROBING DOWN THE THROAT MUST USE THIS TERMINAL PROBE

FOR PROBING INFORMATION REFERENCE MOLEX MX150 APPLICATION SPEC AS-33472-100

PREFERRED PROBING LOCATION IS NOT ON SPRING MEMBER

IF ELECTRICAL CONTINUITY PROBE TOUCHES SPRING MEMBER USE PROBING AS SHOWN IN FIG. 2

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE	CURRENT REV DESC:	
$\nabla = 0$	mm	5:1	
$\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\nabla = 0$	ANGULAR TOL $\pm 3.0^\circ$		
$\nabla = 0$	4 PLACES	\pm	
$\nabla = 0$	3 PLACES	\pm	
$\nabla = 0$	2 PLACES	± 0.10	
$\nabla = 0$	1 PLACE	± 0.3	
$\nabla = 0$	0 PLACES	\pm	
$\nabla = 0$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
$\nabla = 0$	THIRD ANGLE PROJECTION	DRAWING	SERIES
		C-SIZE	33012
		EC NO: 645050	
		DRWN: BSKANTHARAJU 2020/09/03	
		CHK'D: JCUATACERVAN 2020/09/18	
		APPR: JCUATACERVAN 2020/09/18	
		INITIAL REVISION:	
		DRWN: LPULLIAM 2005/06/21	
		APPR: BMOSER 2005/06/22	
DOCUMENT NUMBER		DOC TYPE	DOC PART
SD-33012-002		PSD	001
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
SEE TABLE		GENERAL MARKET	4 OF 5

molex

MX150 RECEPTACLE TERMINAL

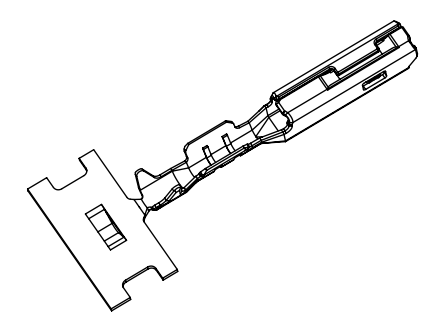
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

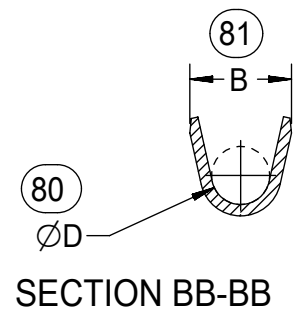
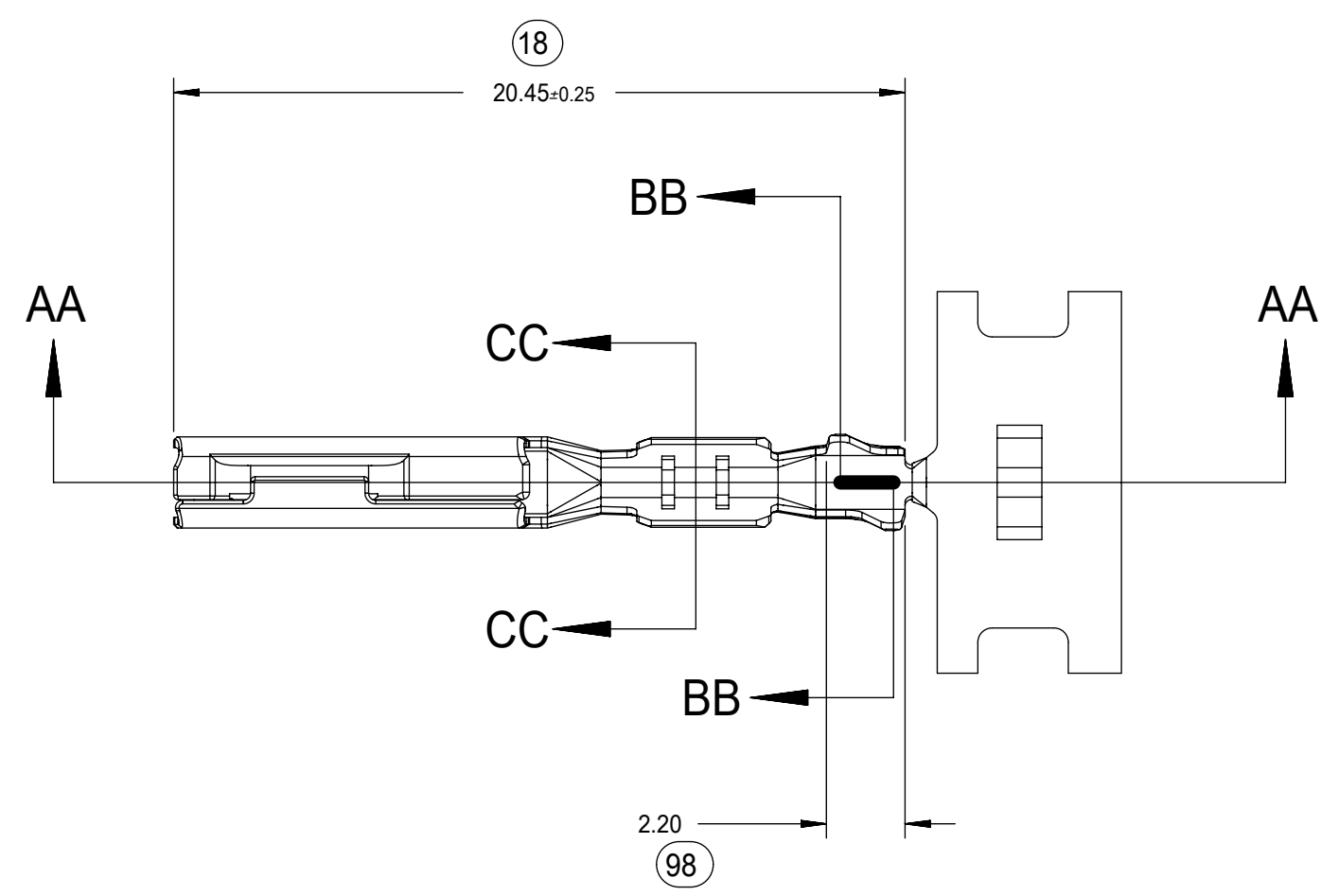
SD-33012-002 PSD 001 D

MATERIAL NUMBER CUSTOMER SHEET NUMBER

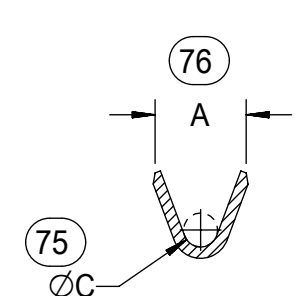
SEE TABLE GENERAL MARKET 4 OF 5



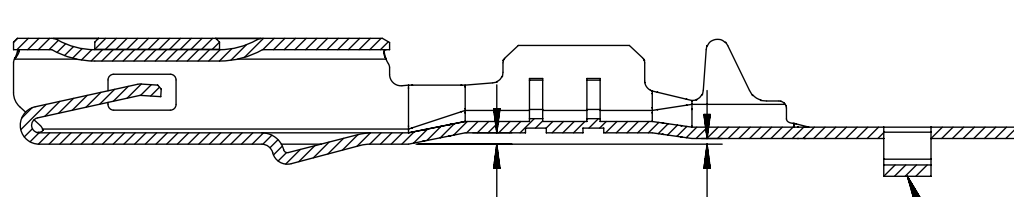
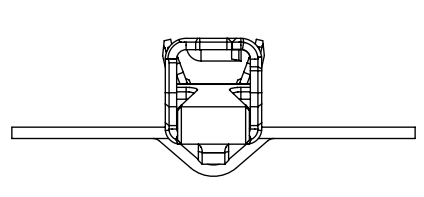
ISO VIEW
SCALE 2:1



SECTION BB-BB



SECTION CC-CC

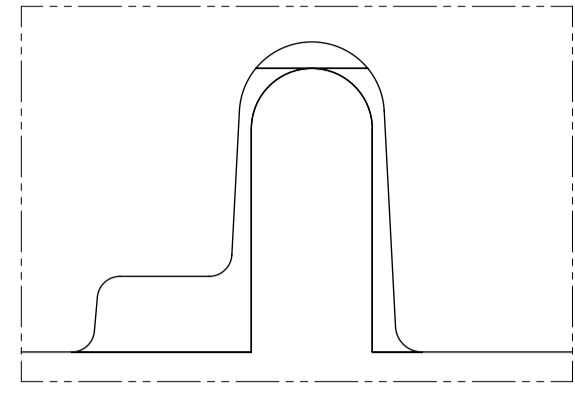


SECTION AA-AA
M3 GRIP CODE TERMINAL
SEE TABLE (SHEET 2) FOR PART NUMBERS

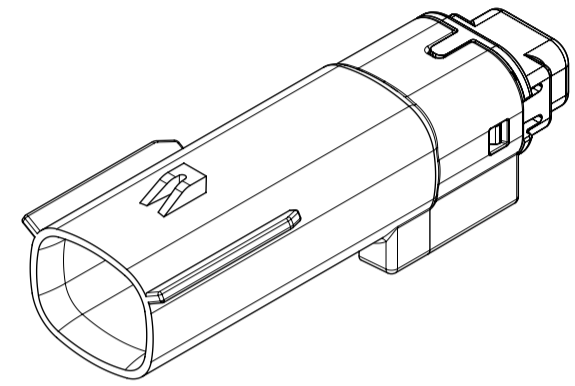
CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINAL
POINTS UP FOR PRECIOUS METAL PLATED TERMINAL

SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS: mm SCALE: 5:1		CURRENT REV DESC:					
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0°		EC NO: 645050 DRWN: BSKANTHARAJU 2020/09/03 CHK'D: JCUATACERVAN 2020/09/18 APPR: JCUATACERVAN 2020/09/18		MX150 RECEPTACLE TERMINAL					
	4 PLACES ± 3 PLACES ± 2 PLACES ± 0.10 1 PLACE ± 0.3 0 PLACES ±		INITIAL REVISION: DRWN: LPULLIAM 2005/06/21 APPR: BMOSEY 2005/06/22		PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER: SD-33012-002 DOC TYPE: PSD DOC PART: 001 REVISION: D		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: C-SIZE SERIES: 33012		MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 5 OF 5			

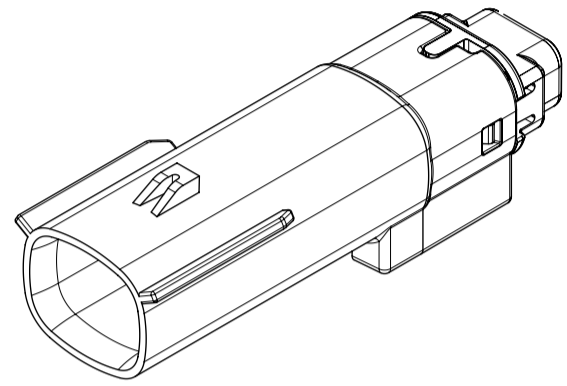
SHEET DESCRIPTION
CONFIGURATIONS



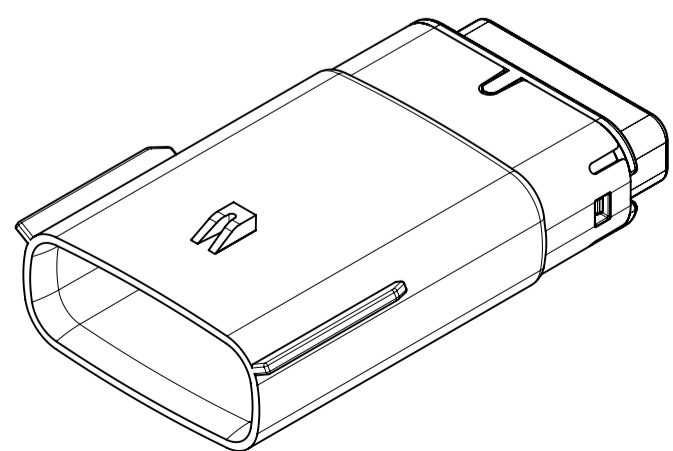
UL V0 UNIQUE FEATURE
Partial1
SCALE 10:1



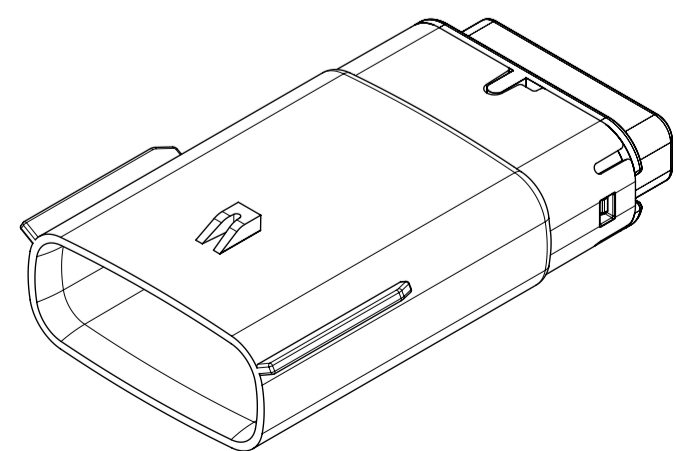
1x2 - STD



1X2 - UL V0*



1x6 - STD

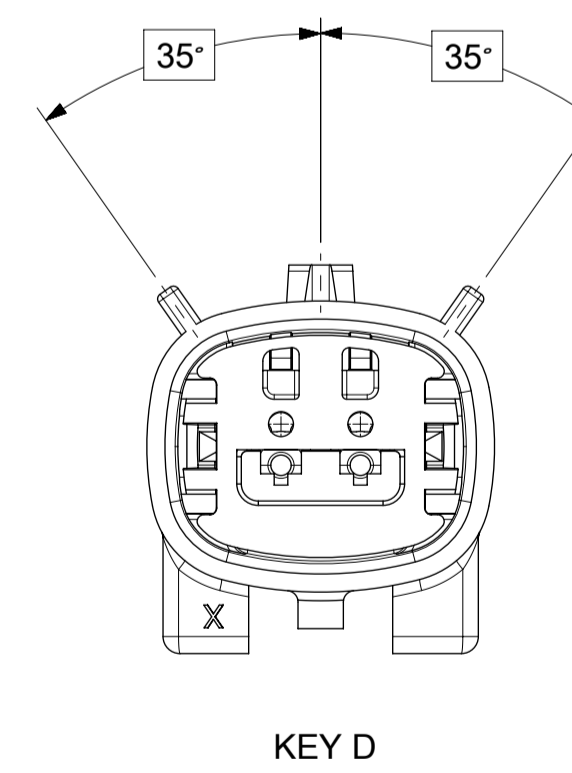
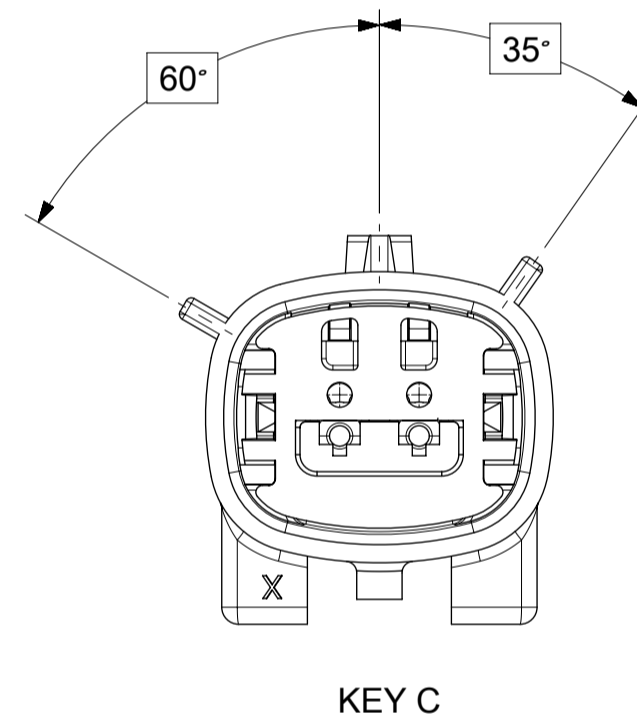
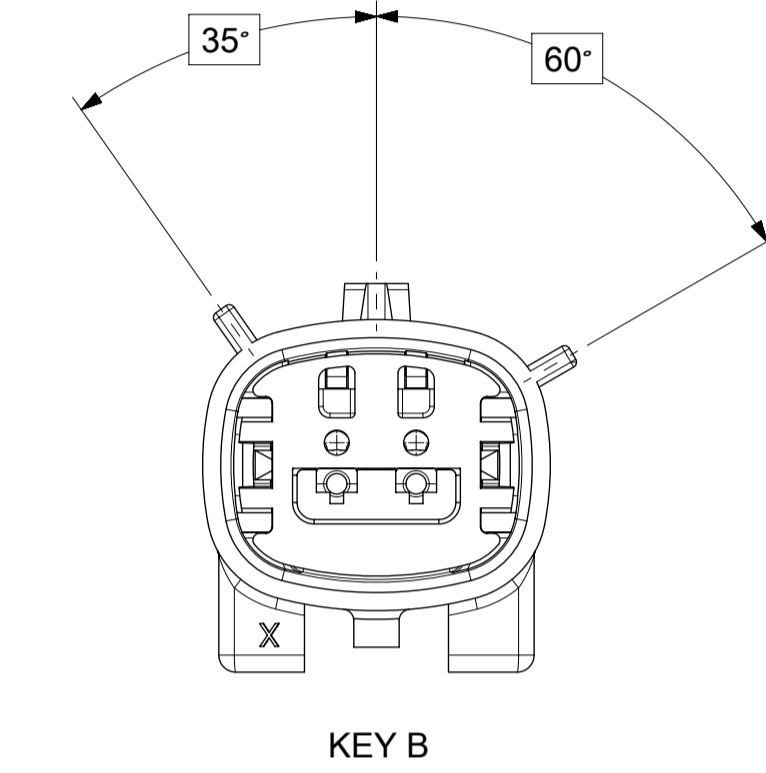
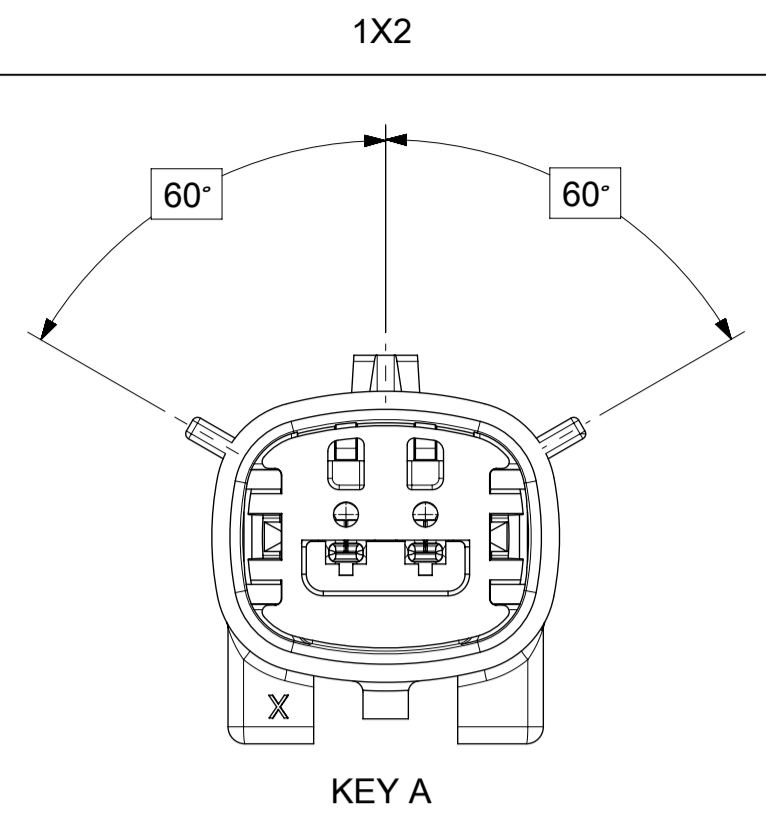


1x6 - UL V0*

* MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION.
SEE NOTES 1 & 2 FOR MORE INFORMATION

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:				
	DIMENSION UNITS	SCALE					
▽ = 0	MM ONLY	1.5:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: MVANSLAMBROU	2018/10/04	PRODUCT CUSTOMER DRAWING
▽ = 0	ANGULAR TOL ± 1.0°		APPR: MVANSLAMBROU		2018/10/04	DOCUMENT NUMBER	
▽ = 0	4 PLACES	±	INITIAL REVISION:		DRWN: APROFFITT	2015/07/21	SD-33481-0001
▽ = 0	3 PLACES	±	APPR: KDEKOSKI		2016/06/14	DOC TYPE	
▽ = 0	2 PLACES	± 0.1	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	PSD
▽ = 0	1 PLACE	± 0.2	THIRD ANGLE PROJECTION		DRAWING	SERIES	
▽ = 0	0 PLACES	±	THIRD ANGLE PROJECTION		DRAWING	SERIES	A1
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER
			THIRD ANGLE PROJECTION		DRAWING	SERIES	CUSTOMER
			THIRD ANGLE PROJECTION		DRAWING	SERIES	SHEET NUMBER
			THIRD ANGLE PROJECTION		DRAWING	SERIES	2 OF 9

SHEET DESCRIPTION
KEY CONFIGURATIONS



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
▽ = 0	MM ONLY	3:1	EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 1.0°		
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14
▽ = 0	2 PLACES	± 0.1	
▽ = 0	1 PLACE	± 0.2	DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14
▽ = 0	0 PLACES	±	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION
▽ = 0			DRAWING SERIES
			A1-SIZE 33481
DOCUMENT STATUS		P1	RELEASE DATE
2018/10/04		15:02:02	
DOCUMENT NUMBER		DOC TYPE	DOC PART
SD-33481-0001		PSD	001
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
SEE NOTE 2a.		GENERAL MARKET	3 OF 9

molex

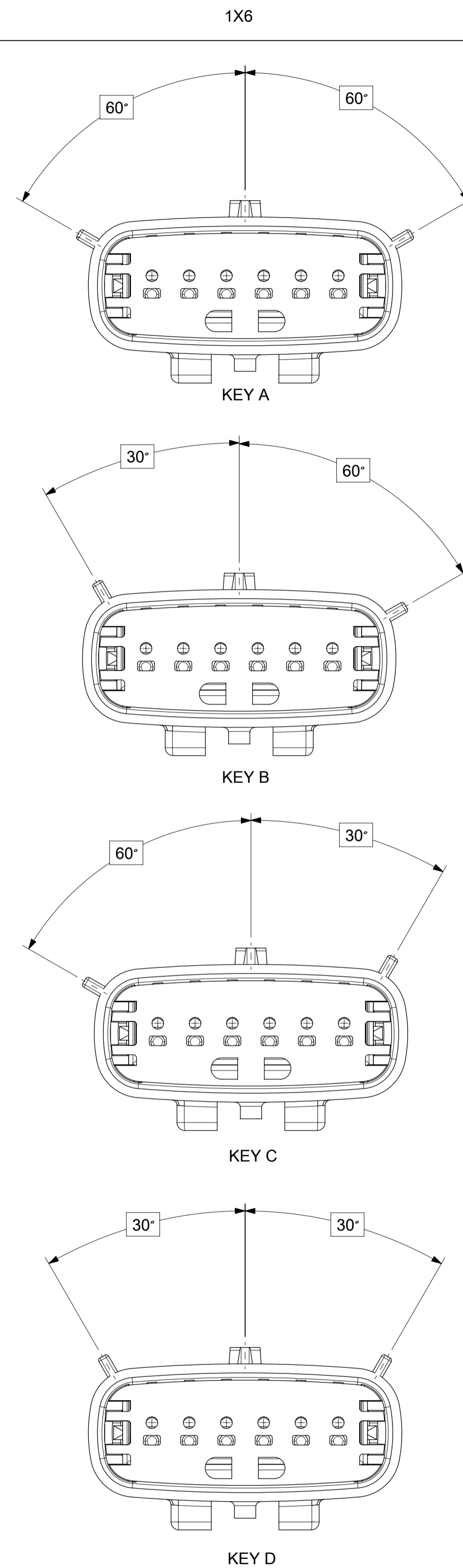
MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

SD-33481-0001 PSD 001 A1

SEE NOTE 2a. GENERAL MARKET 3 OF 9

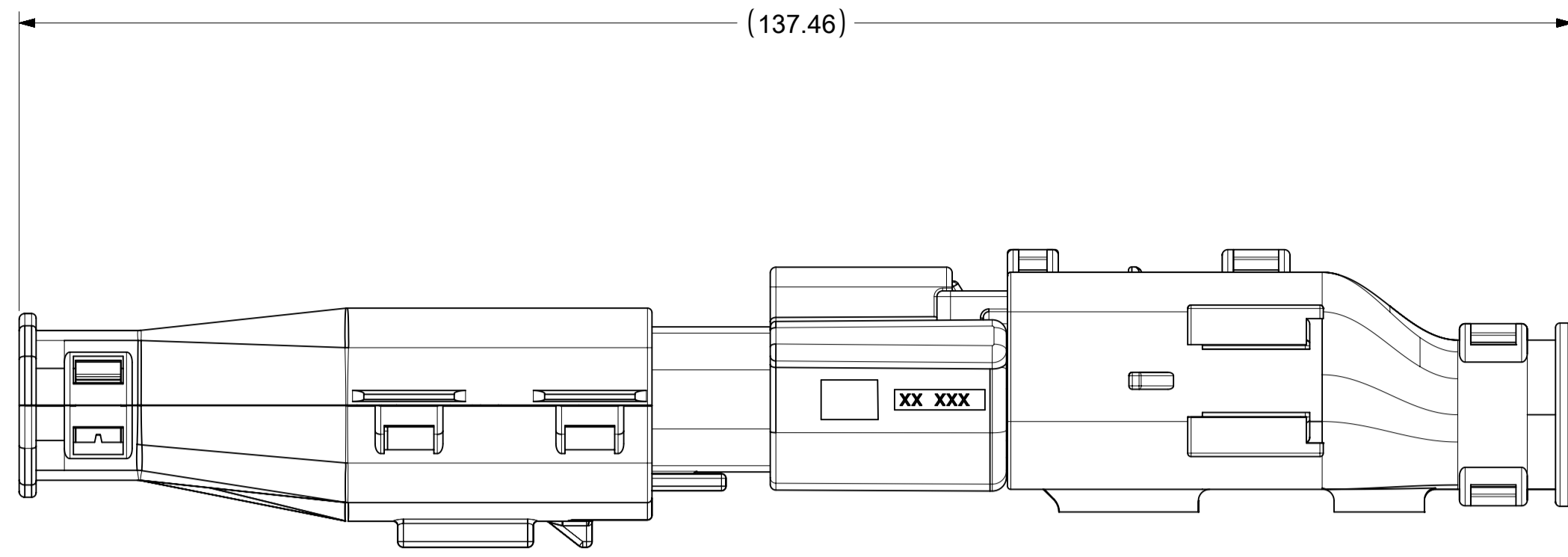
SHEET DESCRIPTION
KEY CONFIGURATIONS CONT.



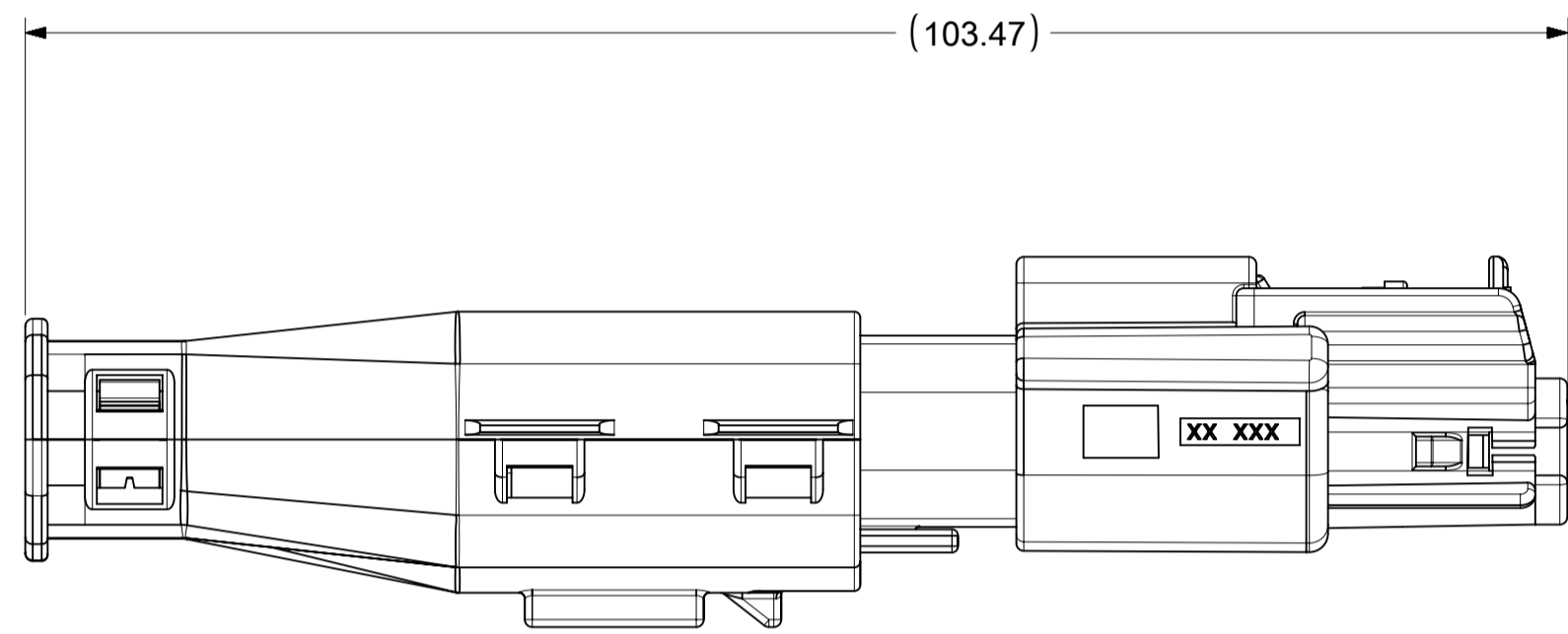
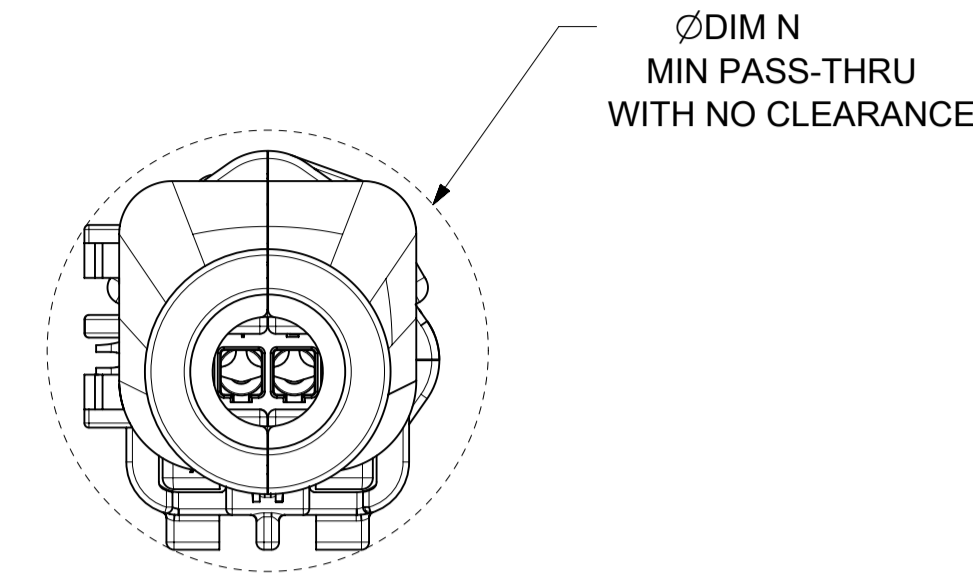
SYMBOLS = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: MM ONLY SCALE: 3:1	CURRENT REV DESC: EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04	 MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL		
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.1 1 PLACE ± 0.2 0 PLACES ±	INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-33481-0001 DOC TYPE: PSD DOC PART: 001 REVISION: A1	MATERIAL NUMBER: SEE NOTE 2a. CUSTOMER: GENERAL MARKET SHEET NUMBER: 4 OF 9	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION 	DRAWING: A1-SIZE SERIES: 33481				

SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

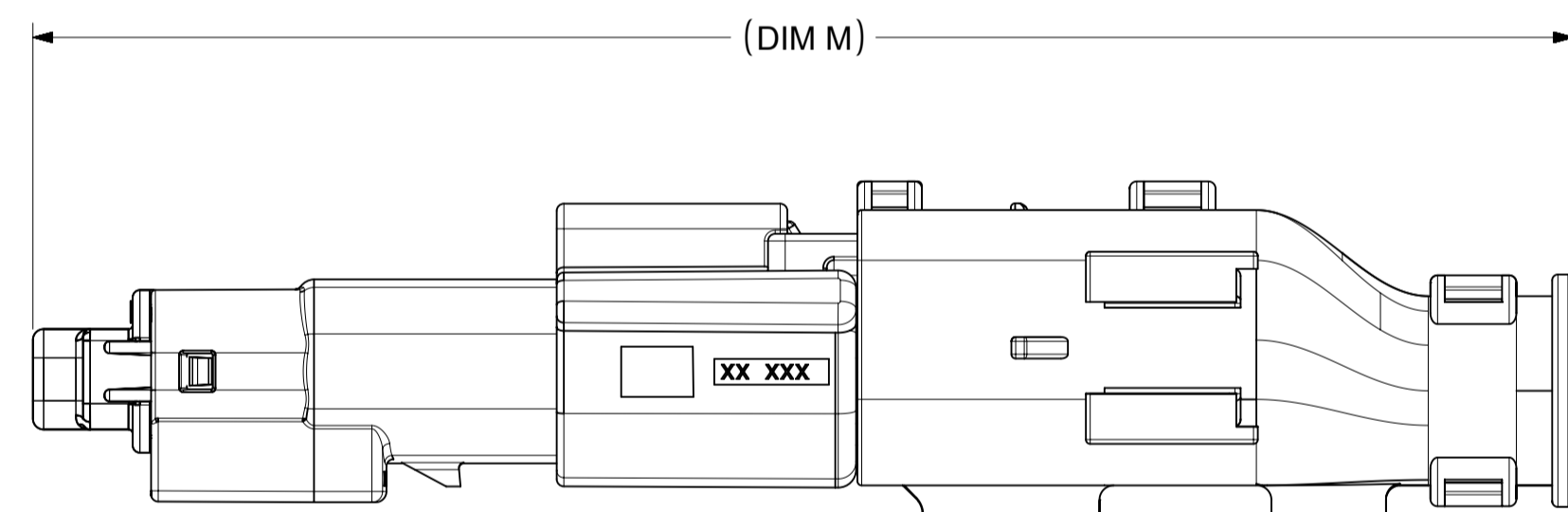
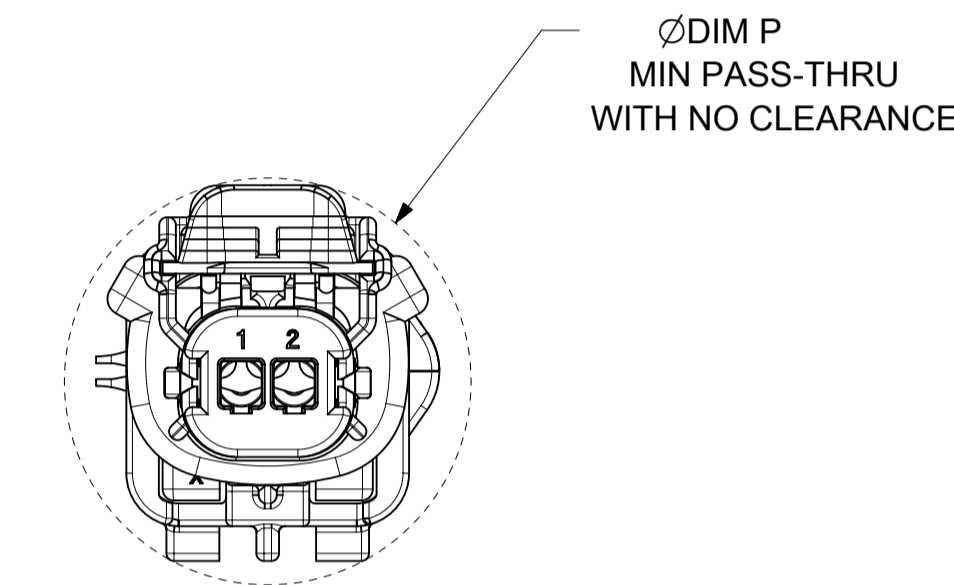
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



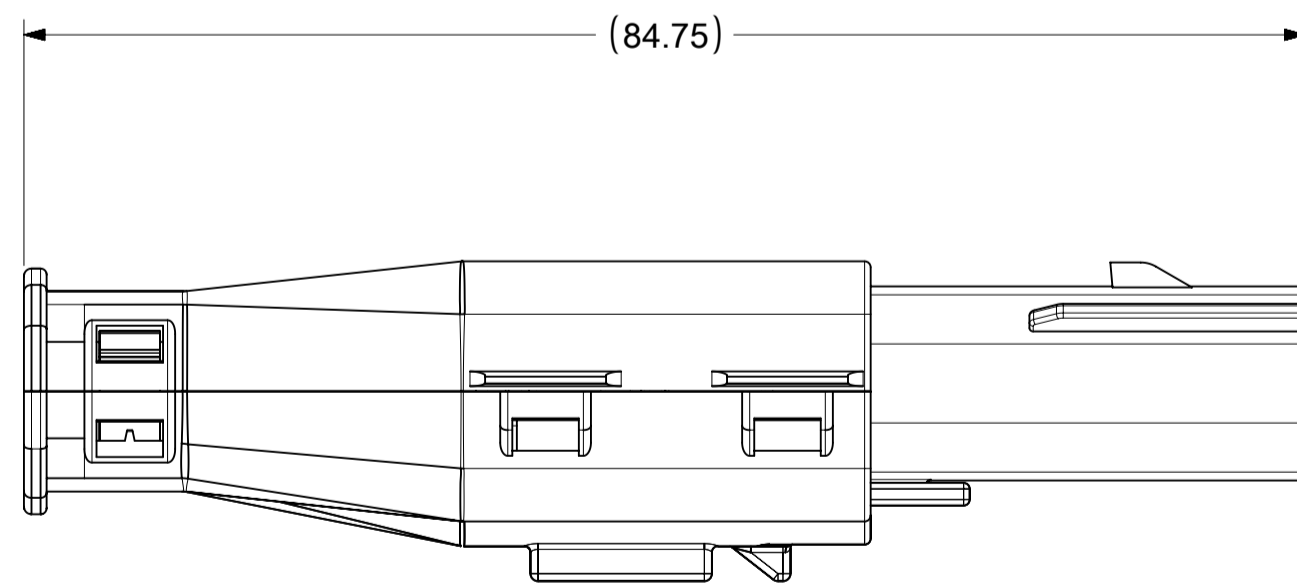
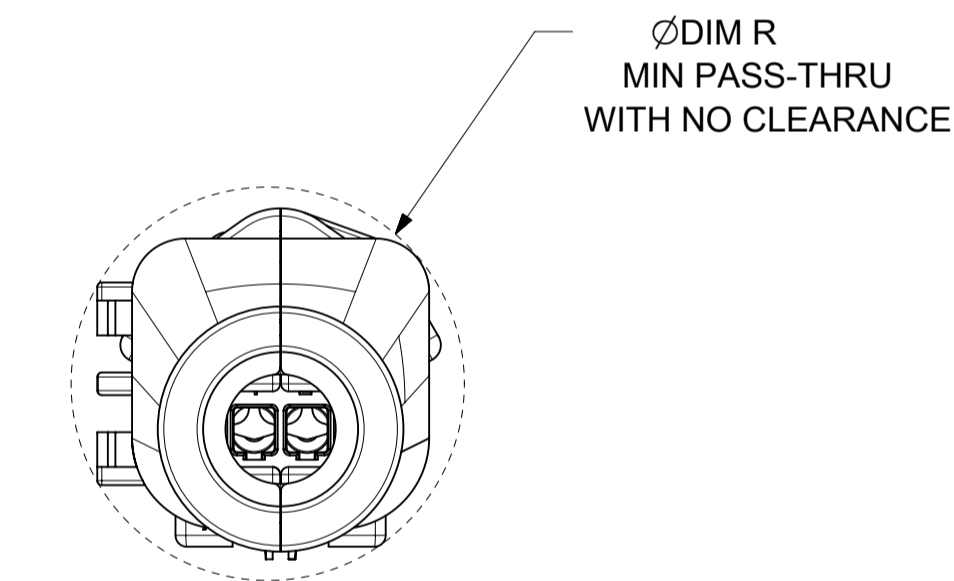
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



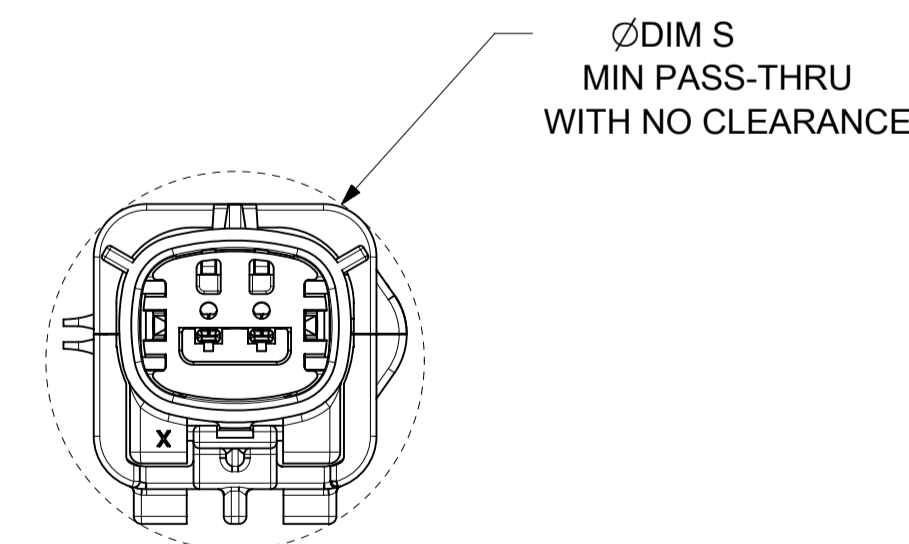
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



SYMBOLS = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: MM ONLY SCALE: 2:1	CURRENT REV DESC: EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04	 MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL		
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.1 1 PLACE ± 0.2 0 PLACES ±	INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-33481-0001 DOC TYPE: PSD DOC PART: 001 REVISION: A1	MATERIAL NUMBER: SEE NOTE 2a. CUSTOMER: GENERAL MARKET SHEET NUMBER: 9 OF 9	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS 	THIRD ANGLE PROJECTION 	DRAWING: A1-SIZE SERIES: 33481			