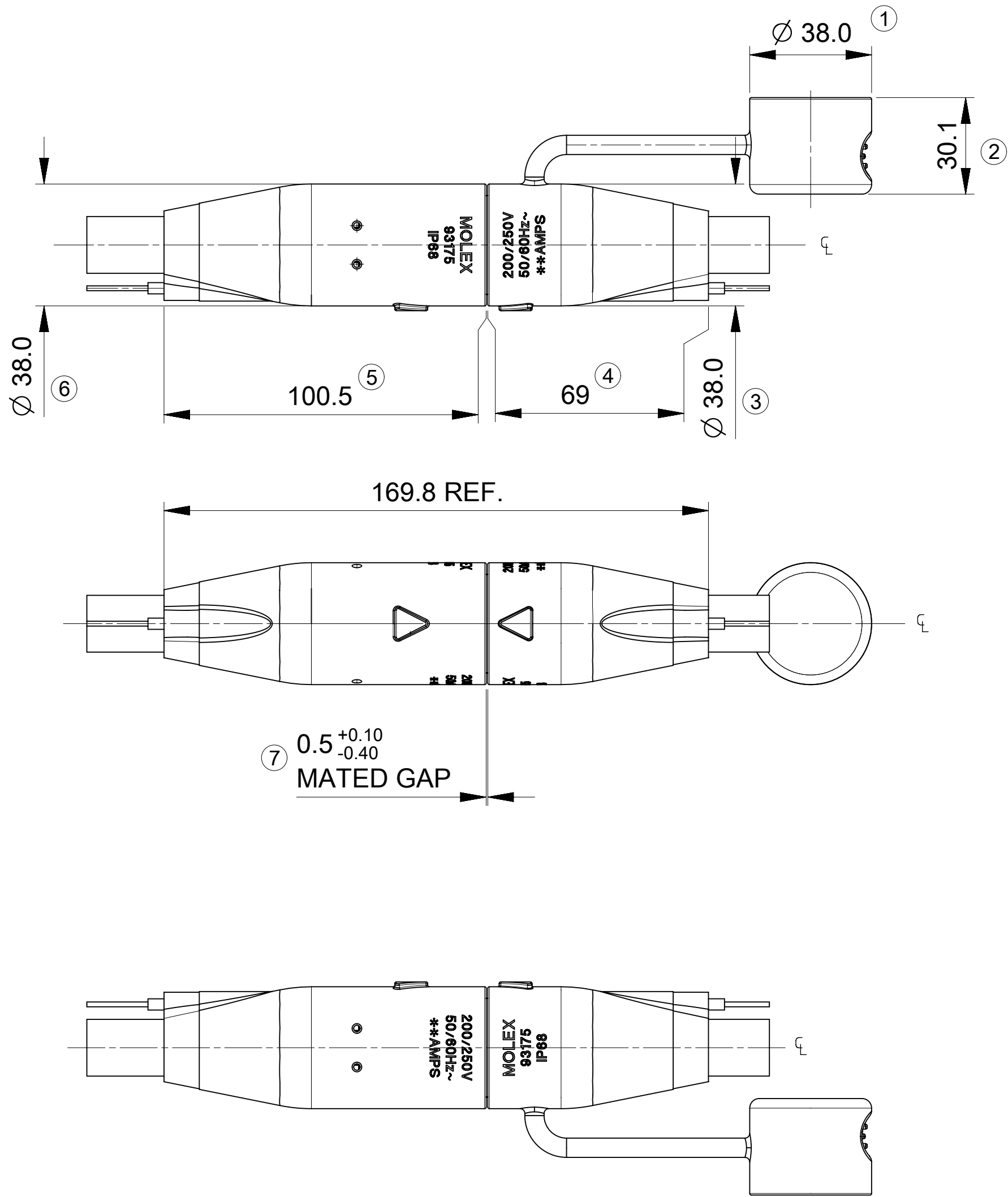
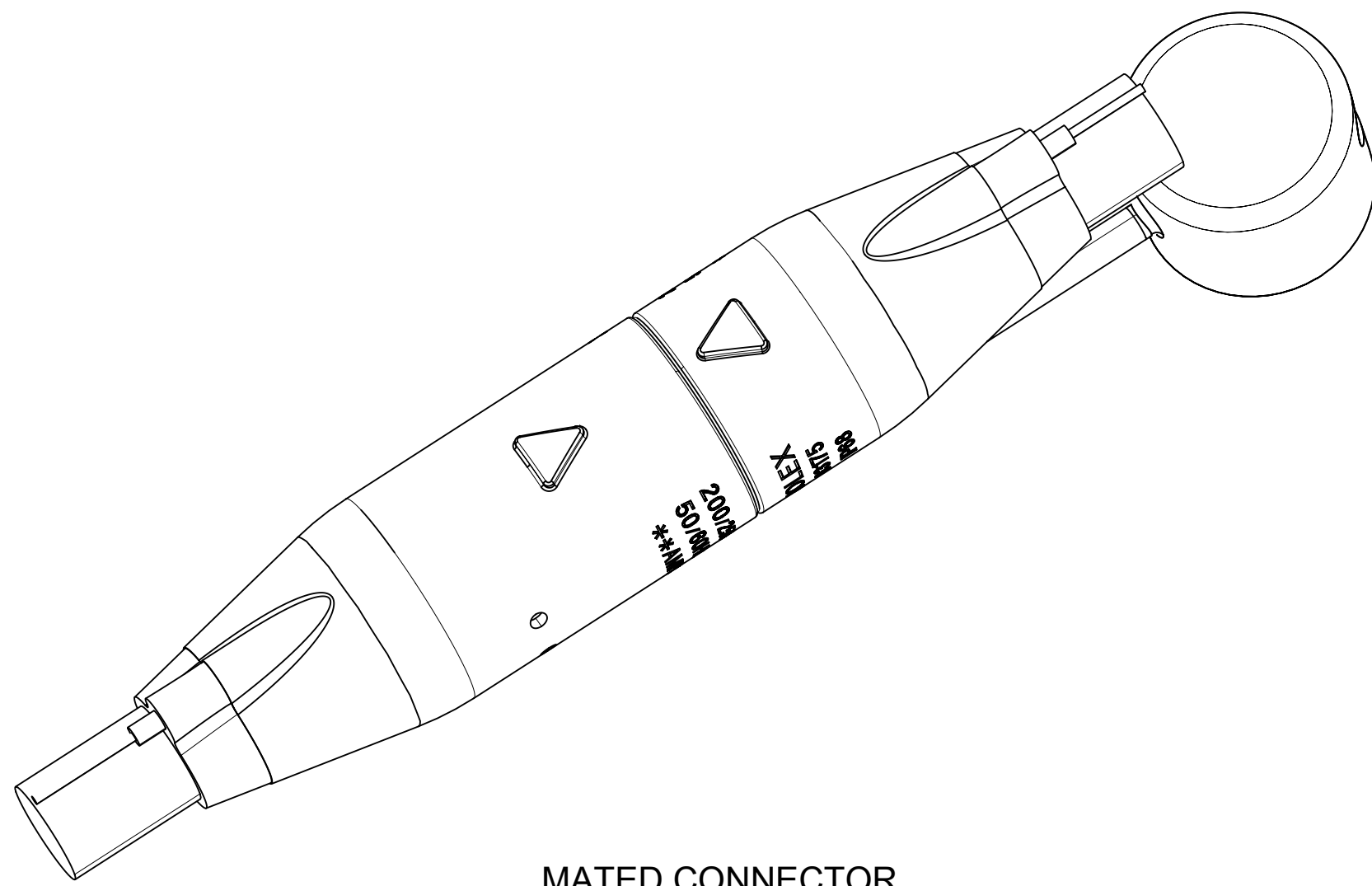
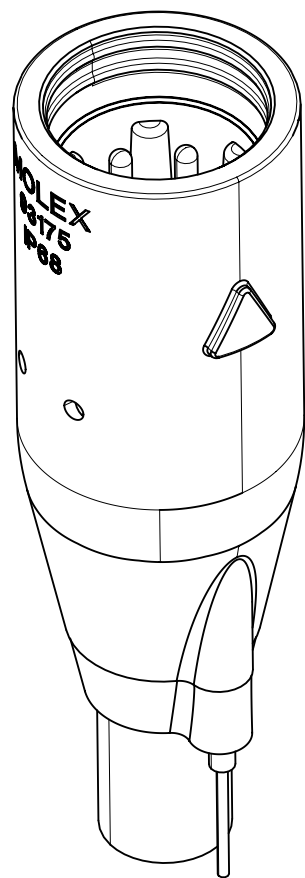




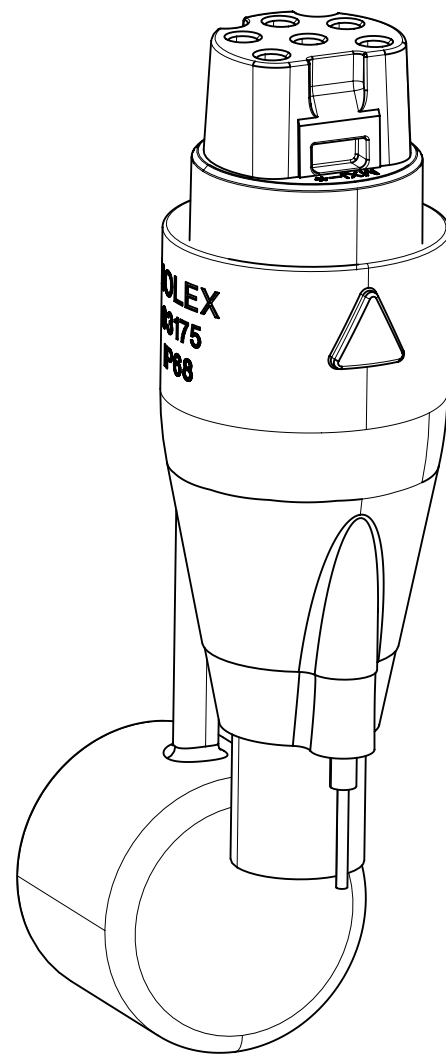
CABLE LENGTH	TOLERANCE
1 - 2 M	±65mm
2 - 5 M	±100mm
5 - 10 M	±200mm
10 - 20 M	±400mm
20 - 30 M	±600mm
30 M PLUS	+2% OF LENGTH



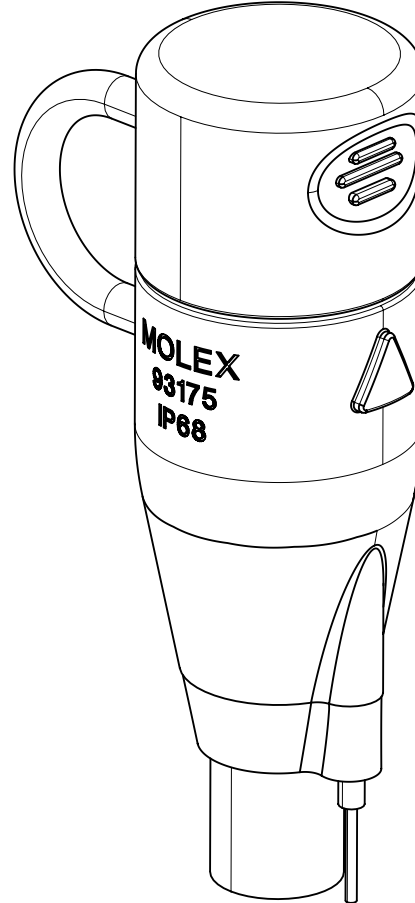
MATED CONNECTOR



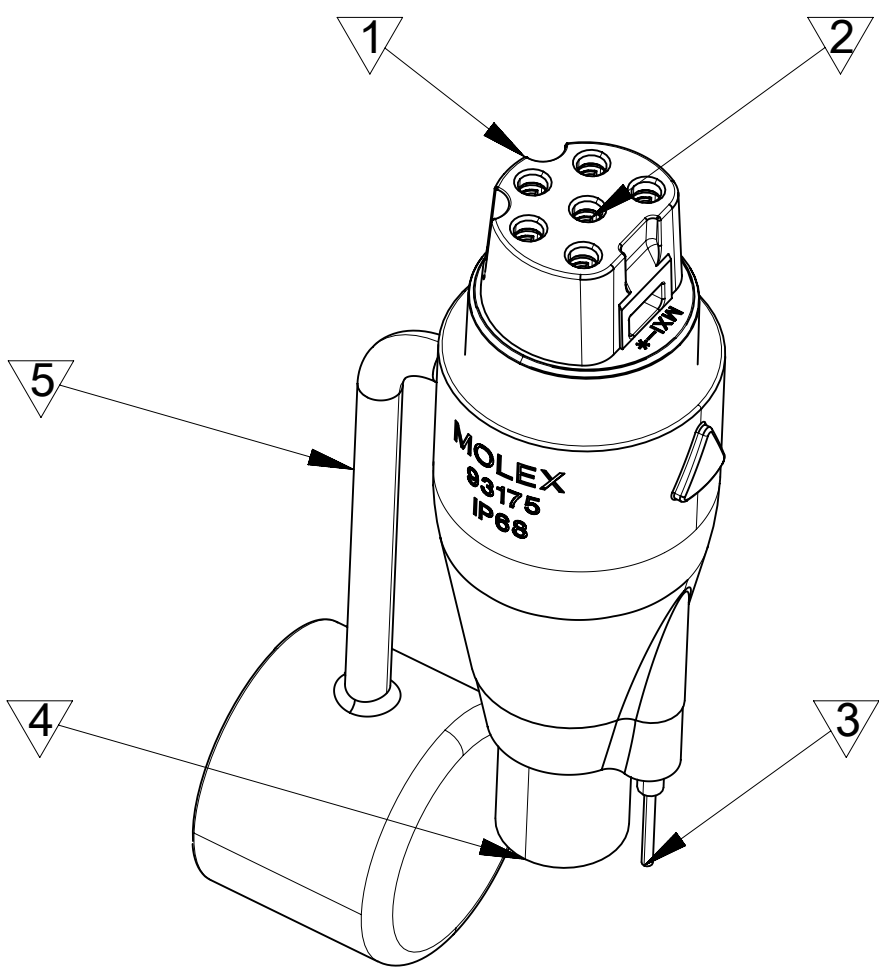
MALE CONNECTOR



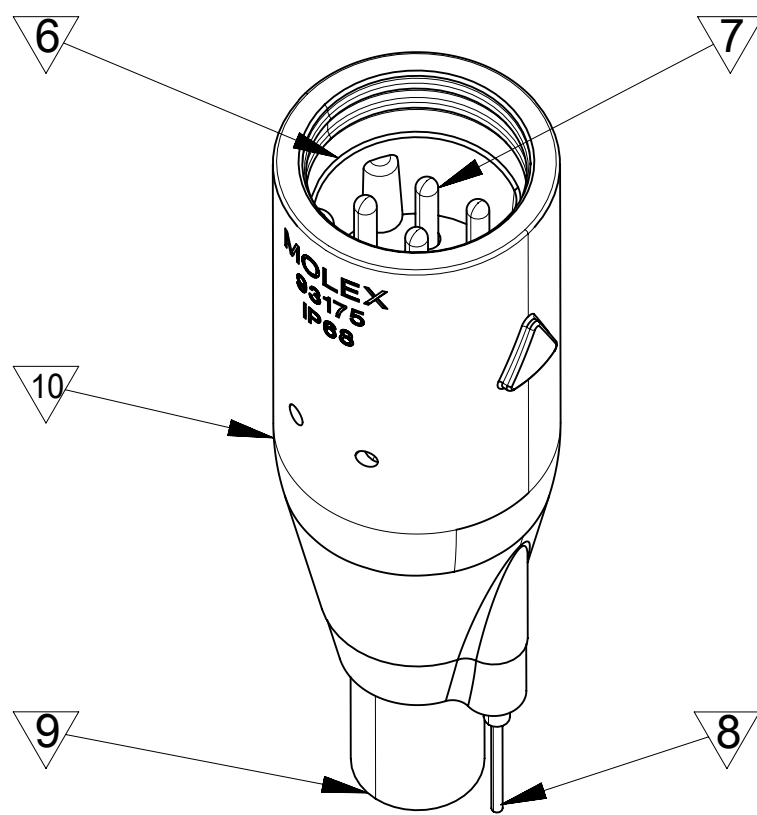
FEMALE CONNECTOR
CAP OPEN



FEMALE CONNECTOR
CAP CLOSED



FEMALE CONNECTOR BOM		
No	DESCRIPTION	MATERIAL
1	FEMALE MAIN BODY	PU
2	FEMALE TERMINAL	COPPER ALLOY
3	TETHER	BRAIDED STAINLESS STEEL
4	CABLE	SEE CABLE SPEC
5	FEMALE OVERMOLD	PU



MALE CONNECTOR BOM		
No	DESCRIPTION	MATERIAL
6	MALE MAIN BODY	PU
7	MALE TERMINAL	COPPER ALLOY
8	TETHER	BRAIDED STAINLESS STEEL
9	CABLE	SEE CABLE SPEC
10	MALE OVERMOLD	PU

NOTES:

1. MATERIAL: SEE TABLES
 2. FOR PRODUCT SPECIFICATION PLEASE SEE PS-93175-001
 3. FOR PACKAGING SPECIFICATION PLEASE SEE PK-93175-001
 4. EXTERNAL SURFACE FINISH OF THE CONNECTOR TO BE 23 VDI
 5. 6 CIRCUIT VERSION SHOWN IN ALL VIEWS,
FOR ALL OTHER CIRCUIT LAYOUTS PLEASE SEE PRODUCT SPEC
 6. ALL UNSPECIFIED TOLERANCES +/- 5 mm
 7. FOR CABLE LENGTH TOLERANCES PLEASE SEE TABLE
- INSPECTION NUMBERS 1-9 USED
LAST INSPECTION NUMBER USED 7

PART No LEGEND		
PART NO	DESCRIPTION	NOTE
931751***	MALE ARMoured	3 TO 6 CKT
931752***	MALE UN-ARMoured	3 TO 6 CKT
931753***	FEMALE ARMoured	3 TO 6 CKT
931754***	FEMALE UN-ARMoured	3 TO 6 CKT
931755***	MALE ARMoured	16 CKT
931756***	FEMALE ARMoured	16 CKT

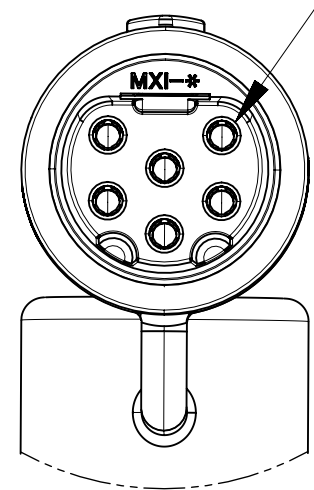
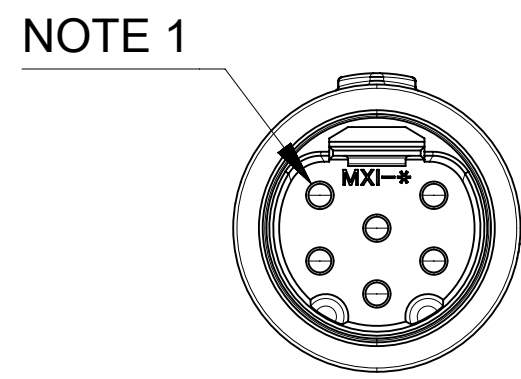
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER									
mm		1:1.3333		molex PASSIVE SAFETY CONNECTOR ARMOURED & UN-ARMOURED									
GENERAL TOLERANCES (UNLESS SPECIFIED)													
	MM		INCH										
4 PLACES	±		±										
3 PLACES	±		±										
2 PLACES	±	0.5	±	EC NO: 643720									
1 PLACE	±	1.0	±	DRWN: AKUMAR19					2020/07/02				
0 PLACES	±	5.0	±	CHK'D: GGA					2020/08/27				
ANGULAR TOL ± 2.0 °				APPR: EFOLAN					2020/08/27				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				INITIAL REVISION:									
				DRWN: D MAHER					2008/10/30				
				APPR: EFOLAN					2010/10/21				
THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
				A1-SIZE		93175		SD-93175-001		PSD	001	T	
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								SEE TABLE		GENERAL MARKET		1 OF 5	

molex

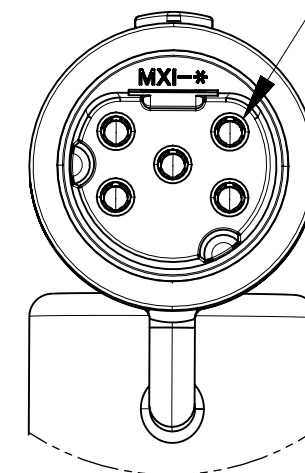
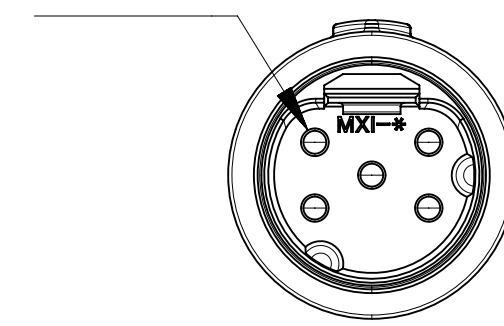
PASSIVE SAFETY CONNECTOR
ARMoured & UN-ARMoured

PRODUCT CUSTOMER DRAWING

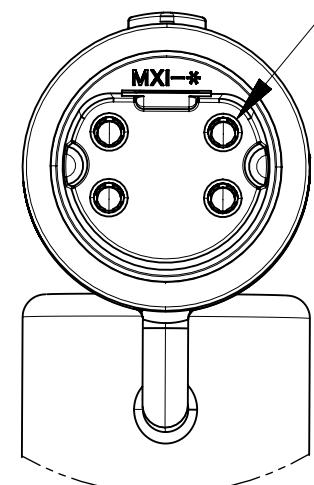
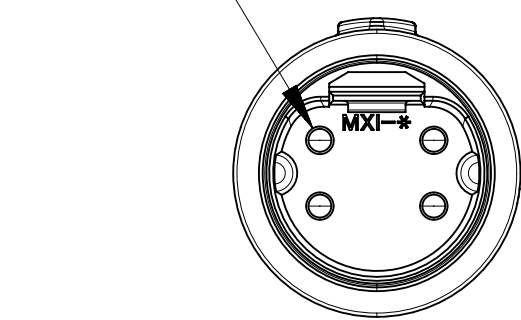
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-93175-001	PSD	001	T



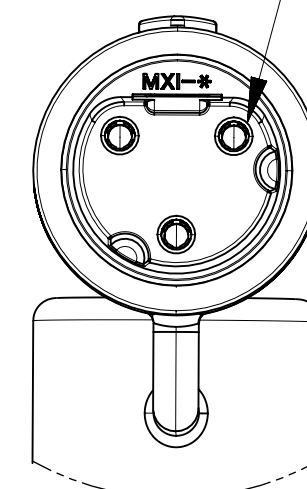
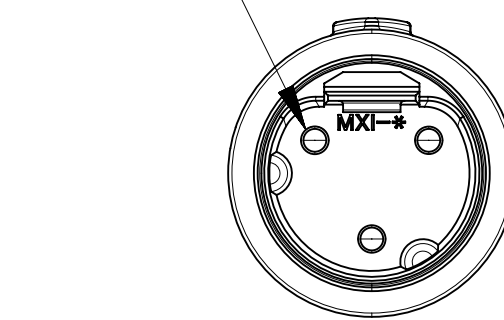
VIEW SHOWING KEYING
OF 6 CIRCUIT VERSION



VIEW SHOWING KEYING
OF 5 CIRCUIT VERSION



VIEW SHOWING KEYING
OF 4 CIRCUIT VERSION



VIEW SHOWING KEYING
OF 3 CIRCUIT VERSION

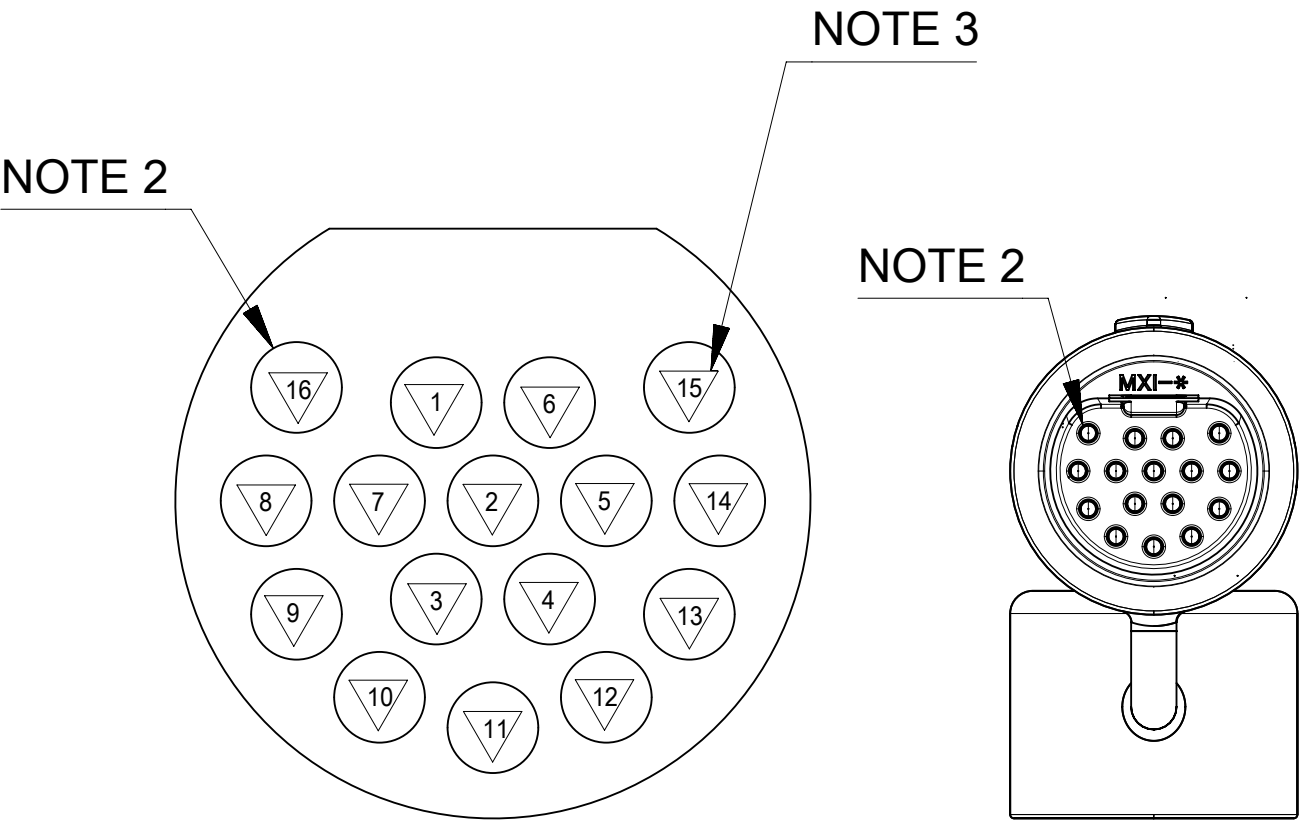
NOTES:

1. EARTH POSITION

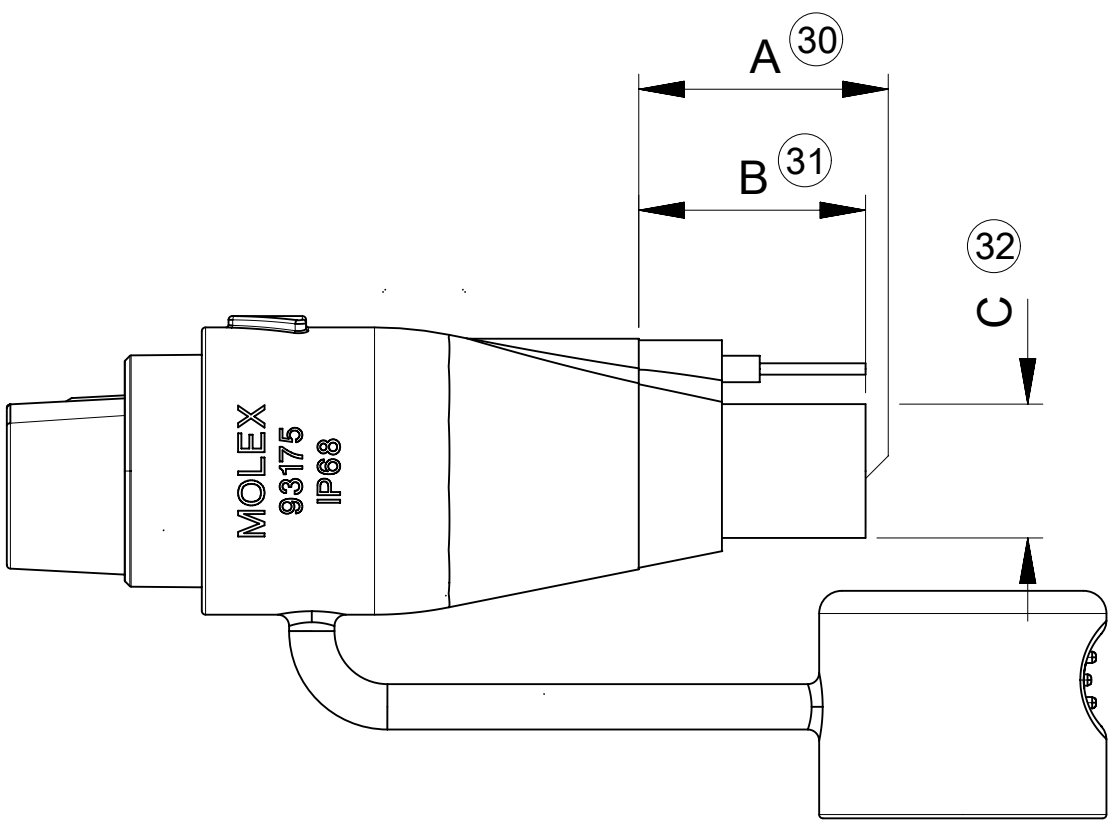
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: OBSOLETE PART NUMBER			molex PASSIVE SAFETY CONNECTOR ARMOURED & UN-ARMOURED		
GENERAL TOLERANCES (UNLESS SPECIFIED)									
		MM	INCH	EC NO: 643720 DRWN: AKUMAR19 CHK'D: GGA APPR: GGA 2020/07/02 2020/08/27 2020/08/27			PRODUCT CUSTOMER DRAWING		
4 PLACES	±		±						
3 PLACES	±		±						
2 PLACES	±	0.5	±						
1 PLACE	±	1.0	±						
0 PLACES	±	5.0	±	INITIAL REVISION: DRWN: D MAHER APPR: EFOLAN 2008/10/30 2010/10/21			DOCUMENT NUMBER SD-93175-001 DOC TYPE PSD DOC PART 001 REVISION T		
ANGULAR TOL ± 2.0 °									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A1-SIZE		SERIES 93175	
DOCUMENT STATUS P1		RELEASE DATE 2020/08/27 10:27:31		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 5	

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

PIN	COLOR	COLOR
1	WHITE/ORANGE	WH/OG
2	BROWN	BN
3	BLUE	BU
4	WHITE	WH
5	RED	RD
6	BROWN/BLUE	BN/BU
7	BLACK	BK
8	BROWN/GRAY	BN/GY
9	ORANGE/GRAY	OG/GY
10	RED/BLUE	RD/BU
11	ORANGE	OG
12	GRAY	GY
13	VIOLET	VT
14	PINK	PK
15	RED/GRAY	RD/GY
16(GND)	BLACK/VIOLET+SHIELD	BK/VT+SHIELD



16 CIRCUIT WIRE LAYOUT
CONNECTOR FRONT VIEW

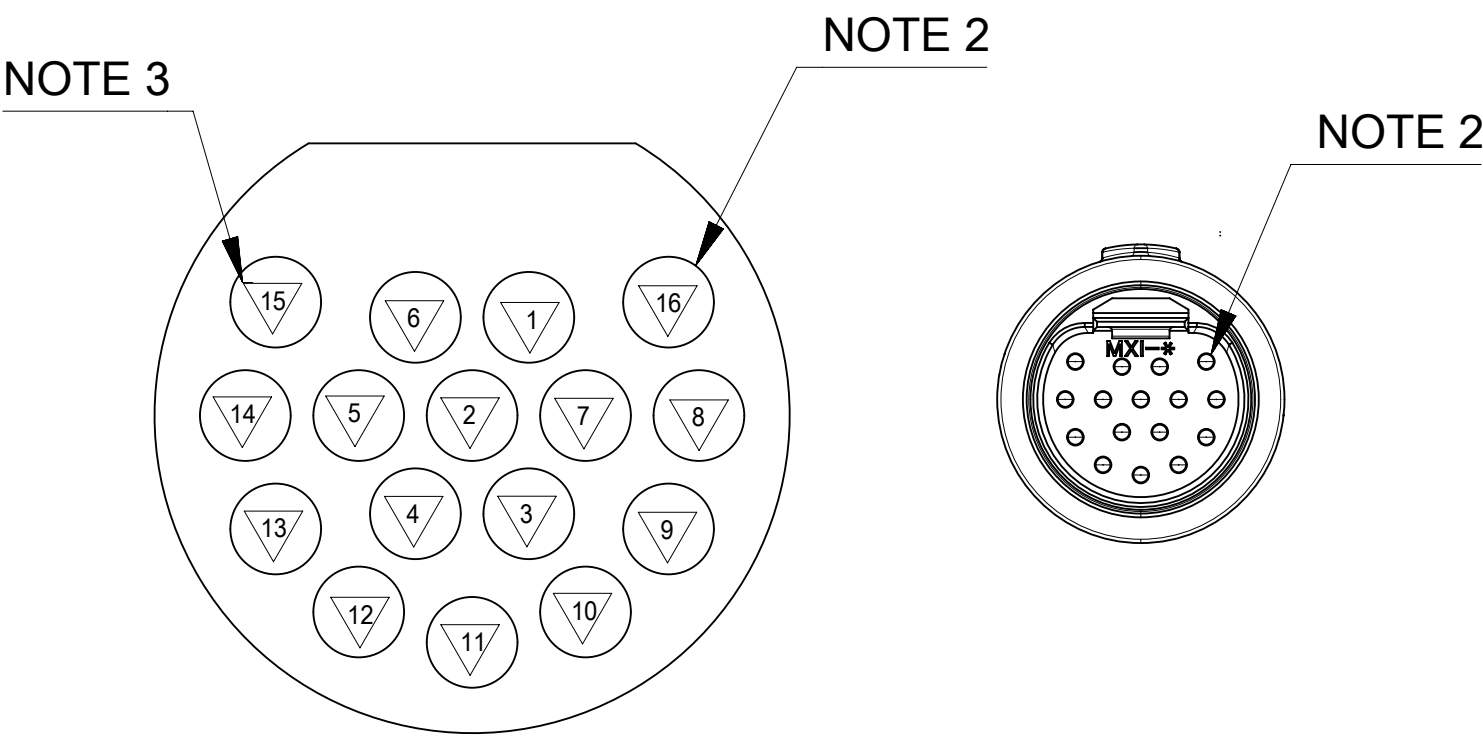


FEMALE POLE PLUG CONNECTOR
16 CIRCUIT

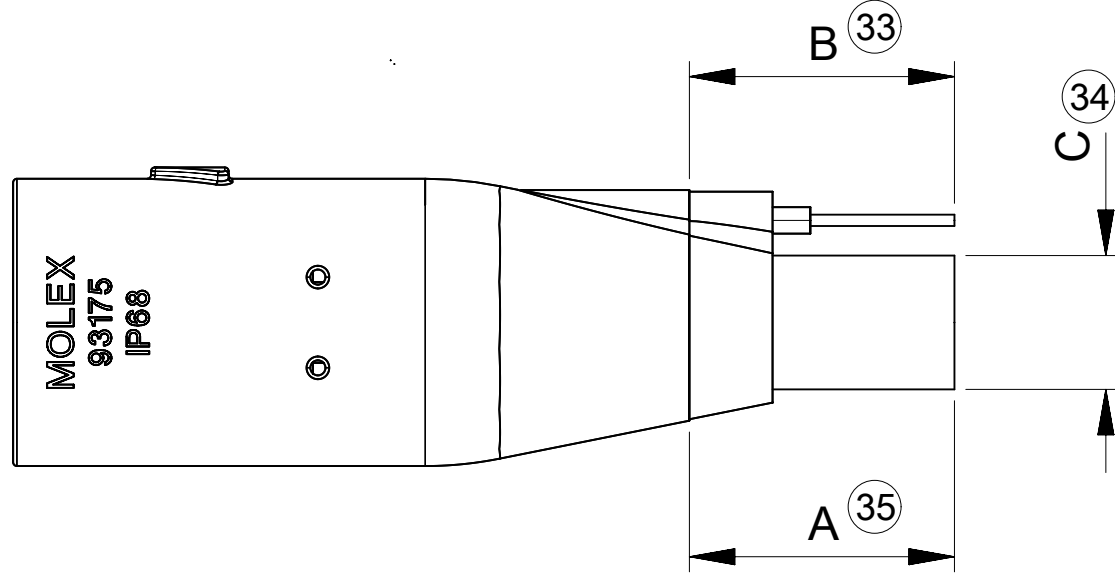
STANDARD PRODUCT				
PART NUMBER	DIM A	DIM B	DIM C	DESCRIPTION
931756001	1000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756002	2000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756003	3000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756026	4000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756004	5000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756005	10000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756013	15000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756006	20000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756014	25000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756007	30000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756015	35000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756016	40000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756017	45000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756018	50000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756019	5000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756008	10000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756020	15000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756009	20000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756021	25000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756010	30000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756022	35000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756023	40000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756024	45000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756025	50000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE

SPECIAL BUILD				
PART NUMBER	DIM A	DIM B	DIM C	DESCRIPTION
931756011	31000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756012	38000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE

PIN	COLOR	COLOR
1	WHITE/ORANGE	WH/OG
2	BROWN	BN
3	BLUE	BU
4	WHITE	WH
5	RED	RD
6	BROWN/BLUE	BN/BU
7	BLACK	BK
8	BROWN/GRAY	BN/GY
9	ORANGE/GRAY	OG/GY
10	RED/BLUE	RD/BU
11	ORANGE	OG
12	GRAY	GY
13	VIOLET	VT
14	PINK	PK
15	RED/GRAY	RD/GY
16(GND)	BLACK/VIOLET+SHIELD	BK/VT+SHIELD



16 CIRCUIT WIRE LAYOUT
CONNECTOR FRONT VIEW



MALE POLE PLUG CONNECTOR
16 CIRCUIT

PART NUMBER	DIM A	DIM B	DIM C	DESCRIPTION
931755001	1000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755002	2000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755003	3000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755009	4000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755004	5000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755008	6000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755005	10000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755006	15000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755010	1000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755011	2000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755012	3000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755013	4000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755007	5000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755014	10000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755015	15000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE

NOTES:

- FOR ALL OTHER DIMENSIONS AND SPECIFICATIONS PLEASE SEE SHEET 1
- EARTH POSITION
- NUMBERED WIRE POSITION

INSPECTION NUMBERS 30 TO 39 USED
LAST INSPECTION NUMBER USED 35

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: OBSOLETE PART NUMBER				molex		
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 643720 DRWN: AKUMAR19 CHK'D: GGA APPR: GGA INITIAL REVISION: DRWN: D MAHER APPR: EFOLAN				PASSIVE SAFETY CONNECTOR ARMOURED & UN-ARMOURED		
4 PLACES		±	±	2020/07/02				PRODUCT CUSTOMER DRAWING		
3 PLACES		±	±	2020/08/27						
2 PLACES		±	0.5	±	2020/08/27					
1 PLACE		±	1.0	±						
0 PLACES		±	5.0	±	2008/10/30				DOCUMENT NUMBER	
ANGULAR TOL		±	2.0 °	2010/10/21				SD-93175-001		DOC TYPE
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER
								A1-SIZE		93175
								SEE TABLE		SHEET NUMBER
								GENERAL MARKET		5 OF 5