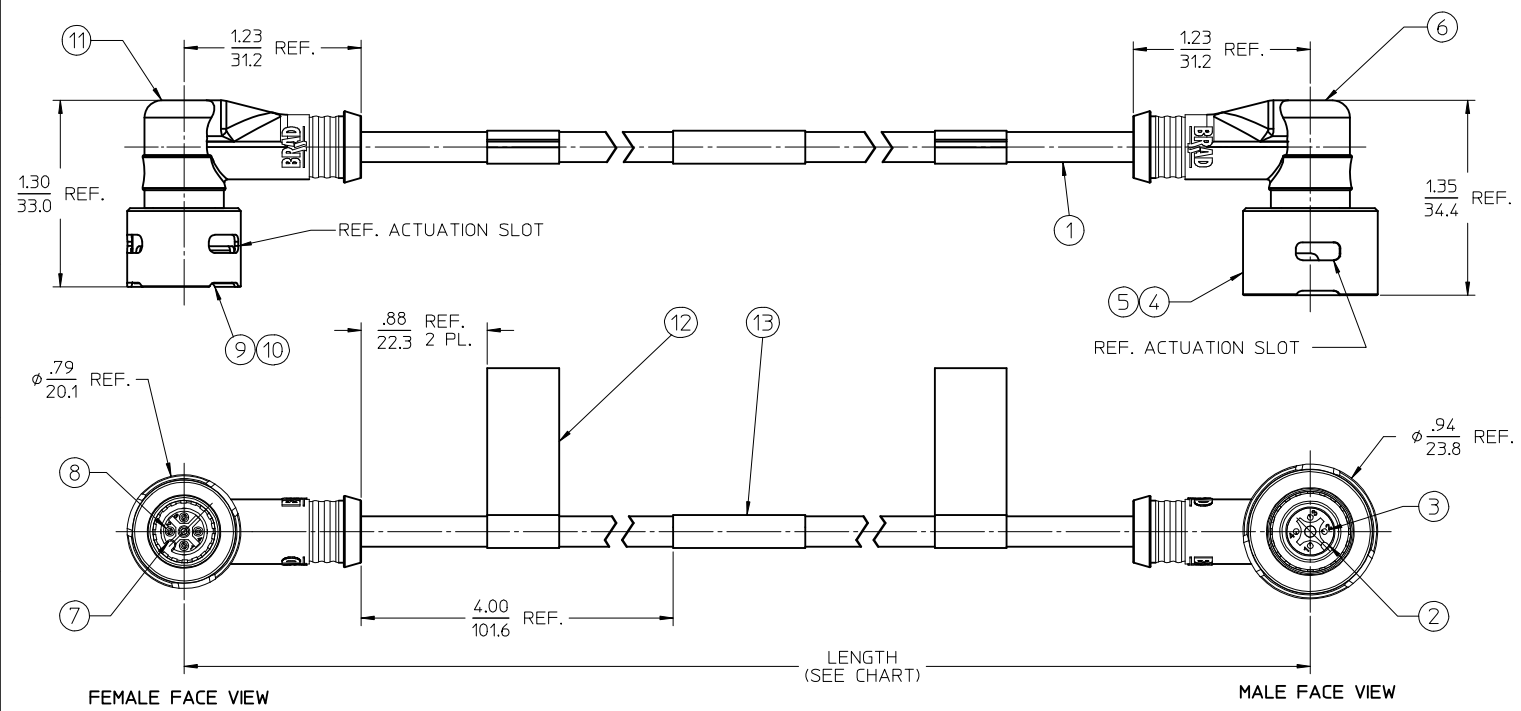
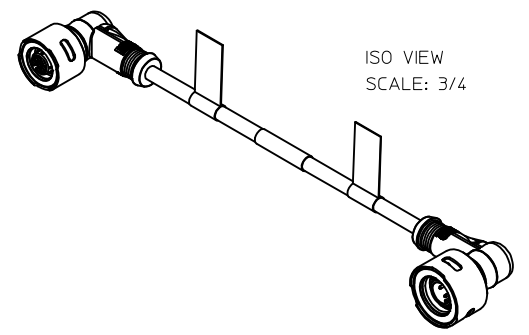


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206132007	LWLW4033K03M010	39.4(1M)	4
1206132008	LWLW5033K03M010	39.4(1M)	5

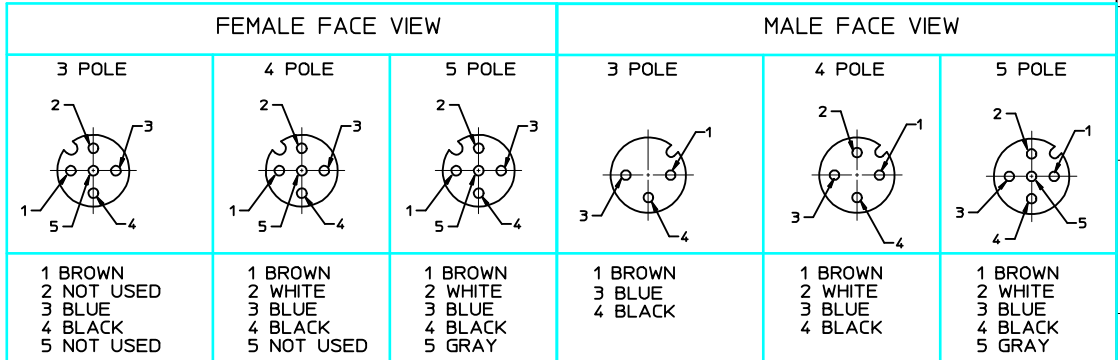
NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED  
NO CHANGES CAN BE MADE TO THE ASSEMBLY, COMPONENTS  
OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND  
FACTORY MUTUAL.



⑧ **LWLWX033K03MXXX**

DOUBLE END  
POLE QTY.  
HEAD STYLE (S)  
CABLE TYPE  
FINISHED LENGTH  
REF. XXX = METERS  
EXAMPLE 010- 1M

- NOTES:
1. MATERIAL: SEE TABLE
  2. FINISHES: SEE TABLE
  3. PRODUCT SPECIFICATIONS: PS-120614-001
  4. CONTROL DOC: ES-120614-001
  5. 3 & 4 POLE ELECTRICAL SPECIFICATIONS:  
VOLTAGE RATING: 125V  
CURRENT RATING: 4 AMPS
  6. 5 POLE ELECTRICAL SPECIFICATIONS:  
VOLTAGE RATING: 32V  
CURRENT RATING: 4 AMPS



ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
13	1	WRAP LABEL	PLASTIC FILM	BLACK/YELLOW
12	2	FLAG LABEL (WARNING)	POLYESTER	BLACK/ORANGE
11	1	OVERMOLD, FEMALE	TPE	YELLOW
10	1	OUTER SLEEVE, FEMALE	ST. STEEL	PASSIVATED
9	1	INNER SLEEVE, FEMALE	ST. STEEL	PASSIVATED
8	XX	CONTACT SOCKET	Cu ALLOY	GOLD PLATED
7	1	INSERT, FEMALE	PUR	BLACK
6	1	OVERMOLD, MALE	TPE	YELLOW
5	1	OUTER SLEEVE, MALE	ST. STEEL	PASSIVATED
4	1	INNER SLEEVE, MALE	ST. STEEL	PASSIVATED
3	XX	CONTACT PIN	Cu ALLOY	GOLD PLATED
2	1	INSERT, MALE	PUR	BLACK
1	1	CABLE, #18 AWG ITC/PLTC	TPE	YELLOW

<b>ADDED P/N LEGEND</b> EC NO: JFG2014-0138 DRWR:RSTONE 2013/07/24 CHKD:B WOODMAN 2013/08/01 APPR:WOODMAN 2013/12/30	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES ±</td> <td>---</td> <td>---</td> </tr> <tr> <td>3 PLACES ±</td> <td>---</td> <td>---</td> </tr> <tr> <td>2 PLACES ±</td> <td>---</td> <td>±.01</td> </tr> <tr> <td>1 PLACE ±</td> <td>±0.3</td> <td>---</td> </tr> </table> ANGULAR ± 2°		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	---	±.01	1 PLACE ±	±0.3	---	DIMENSION STYLE <b>IN/MM</b>	SCALE <b>1.5:1</b>	DESIGN UNITS <b>INCH</b>	THIRD ANGLE PROJECTION
				mm	INCH																
4 PLACES ±	---	---																			
3 PLACES ±	---	---																			
2 PLACES ±	---	±.01																			
1 PLACE ±	±0.3	---																			
DRAWN BY RSTONE 2011/11/23	DATE 2011/11/23	CHECKED BY L. HARTMANN 2012/01/27	DATE 2012/01/27	APPROVED BY JFMURPHY 2012/04/18	DATE 2012/04/18	<b>ULTRA-LOCK ZONE 2</b> <b>MALE 90 TO FEMALE 90</b> <b>K03, 18 AWG, TPE</b> <b>MOLEX INCORPORATED</b>															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		<b>SEE CHART</b>		MATERIAL NO. <b>SD-120613-008</b>		SHEET NO. <b>1 OF 1</b>															
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

DRAWING NO.	DESCRIPTION	FINISHED GOOD REV. LEVEL
LWR000A18	MIC U-LOCK ZONE 2 RECEPT ASSY, FEM. 1/2 NPT, 22 AWG	C
LWR006A18	MIC U-LOCK ZONE 2 RECEPT ASSY, MALE 1/2 NPT, 22 AWG	B
LWRA00A18	MIC U-LOCK ZONE 2 RECEPT ASSY, FEM. 1/4 NPT, 22 AWG	C
LWRA06A18	MIC U-LOCK ZONE 2 RECEPT ASSY, MALE 1/4 NPT, 22 AWG	B
LWR000A16	MIC U-LOCK ZONE 2 RECEPT ASSY, FEM. 1/2 NPT, 18 AWG	B
LWR006A16	MIC U-LOCK ZONE 2 RECEPT ASSY, MALE 1/2 NPT, 18 AWG	B
LWXXXXXC02XXXX	U-LOCK ZONE 2 C02 CORD ASSY, 18AWG SJ00W, DC COLOR	C
LWXXXXXK03XXXX	U-LOCK ZONE 2 K03 CORD ASSY, 18AWG TPE, DC COLOR	C
LWXXXXXK05XXXX	U-LOCK ZONE 2 K05 CORD ASSY, 22AWG TPE, DC COLOR	C
SD-120614-999	CONTROL DOC FOR ULTRA-LOCK ZONE 2	D

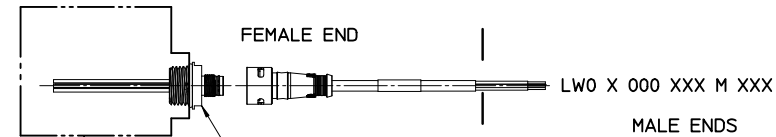
PRELIMINARY EC NO: IPG2016-0500 DRAWN: RSTONE 2016/03/07 CHKD: WAI LEUNG 2016/05/20 APPR: JFMURPHY 2016/05/20	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
	=0 =0	4 PLACES	mm	INCH	DRAWN BY RSTONE	DATE 2016/03/07	TITLE SCHEDULE DRAWING FOR ULTRA LOCK ZONE 2			
		3 PLACES	±	±	CHECKED BY WAI LEUNG	DATE				
		2 PLACES	±	±	APPROVED BY JFMURPHY		DATE 2016/05/20			
		1 PLACE	±	±	MATERIAL NO.		DOCUMENT NO.	SHEET NO. 1 OF 1		
0 PLACE		±	±	-		SD-120614-998				
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

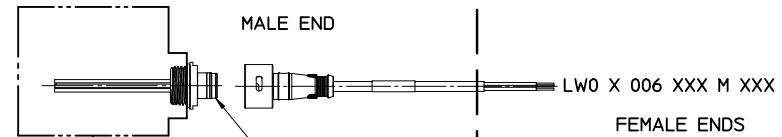
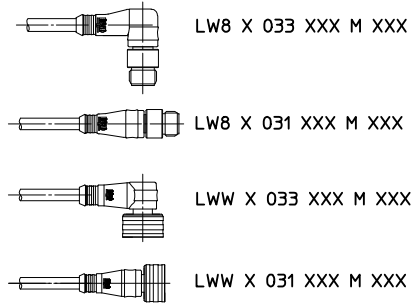
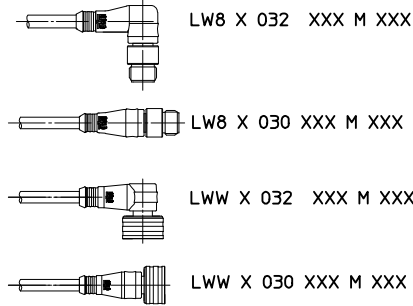
NON-HAZARDOUS LOCATION

CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

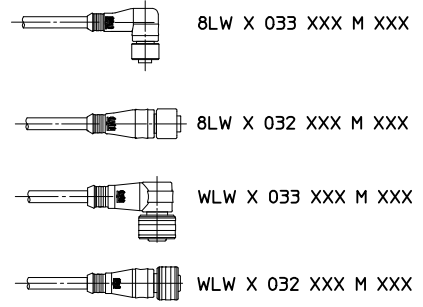
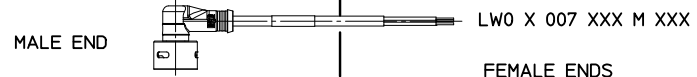
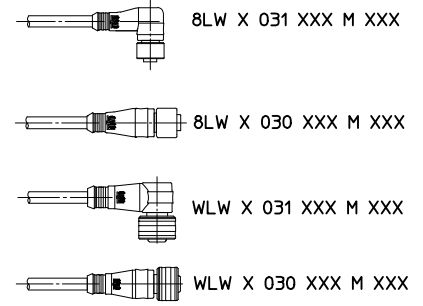
NON-HAZARDOUS LOCATION



LWR X 006 A18 CXXX  
(MALE 1/2" NPT)  
LWR X A06 A18 CXXX  
(MALE 1/4" NPT)



LWR X 000 A18 CXXX  
(FEMALE 1/2" NPT)  
LWR X A00 A18 CXXX  
(FEMALE 1/4" NPT)



- NOTES:
1. THE INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), ANSI/NFPA 70. SPECIFIC REQUIREMENTS FOR THE INSTALLATION OF ITC RATED CABLE MAY BE FOUND IN ARTICLE 501.4(B)(1)(5) AND ARTICLE 727.4
  2. THE MOLDED CONSTRUCTION OF THE CORDSET AND GAS/VAPORTIGHT CONTINUOUS SHEATH OF THE CABLE MEET THE REQUIREMENTS OF THE NEC, ARTICLE 501-5(E)(2) FOR CABLE SEALS IN CLASS 1, DIVISION 2
  3. FIELD DEVICE APPROVAL FOR CLASS 1, DIV. 2 OR CLASS 1, ZONE2 INSTALLATIONS
  4. ATEX cert no: ATEX FM15ATEX0048X IECEx FMG 15.0012X

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED  
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OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND  
FACTORY MUTUAL.

THIS DRAWING SUPERSEDES ES-120614-001 REV-B

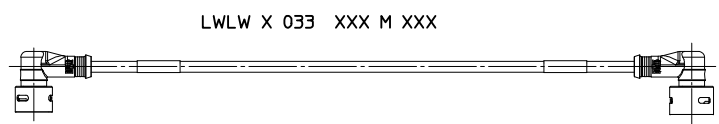
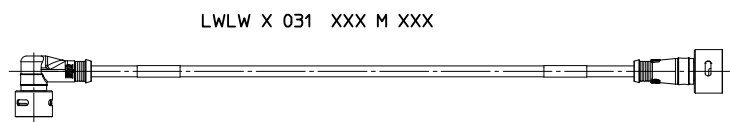
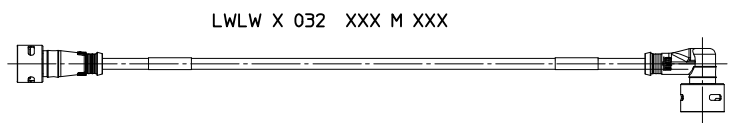
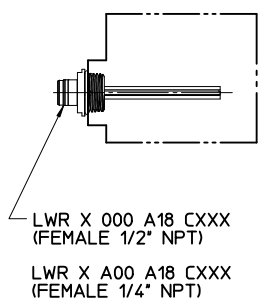
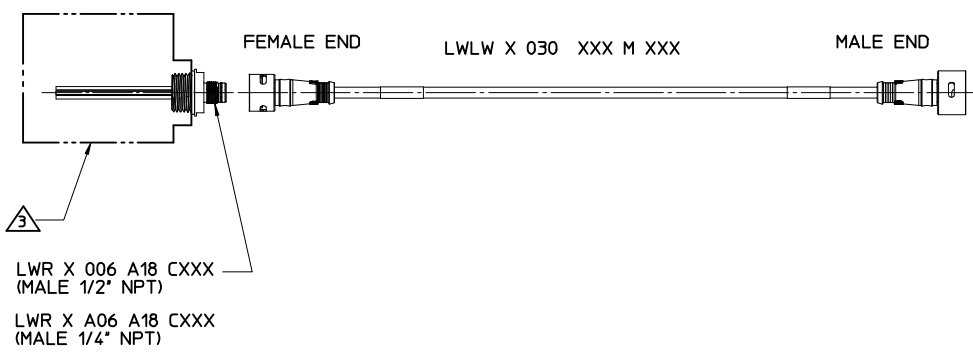
ADDED NOTE 4 EC NO: IPG2016-0500 DRAWN BY: DRWINRSTONE 2015/10/16 CHECKED BY: CHKD:WAI LEUNG 2016/05/20 APPR: JFMURPHY 2016/05/20	QUALITY SYMBOLS = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	DRAWN BY: RSTONE DATE: 2012/05/18		TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2	
		ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY: K JOZWIK DATE: 2012/05/22		APPROVED BY: JFMURPHY DATE: 2012/08/27	
		MATERIAL NO. 1206149999		DOCUMENT NO. SD-120614-999		MOLEX INCORPORATED		SHEET NO. 1 OF 3	

REF. SEE SHEET 3 FOR CONFIGURATION INFORMATION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

HAZARDOUS LOCATION



- REF:
1. SEE SHEET 1 FOR NOTES
  2. SEE SHEET 3 FOR CONFIGURATION INFORMATION

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED  
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FACTORY MUTUAL.

SEE SHEET 1 EC NO: JFG2016-0500 DRAWNRSTONE 2015/10/16 CHKD:WAI LEUNG 2016/05/20 APPR:JFMURPHY 2016/05/20	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY RSTONE	DATE 2012/05/18	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2		MOLEX INCORPORATED	
D	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 1206149999	DATE 2012/08/27	APPROVED BY JFMURPHY	DATE 2012/05/22	DOCUMENT NO. SD-120614-999	SHEET NO. 2 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

M12/MICROCHANGE ULTRA-LOCK CORD CONNECTORS AND CORD SETS

LWO 3 000 C02 M 020 8  
 I II III IV V VI VII

I: CONNECTOR TYPE

LWO= ULTRA-LOCK ZONE 2 MALE OR FEMALE SINGLE END CORDSET  
 LWW= ULTRA-LOCK ZONE 2 FEMALE TO STANDARD ULTRA-LOCK MALE DOUBLE ENDED CORDSET  
 WLW= ULTRA-LOCK ZONE 2 MALE TO STANDARD ULTRA-LOCK FEMALE DOUBLE ENDED CORDSET  
 LW8= ULTRA-LOCK ZONE 2 FEMALE TO STANDARD M12 MALE DOUBLE ENDED CORDSET  
 8LW= ULTRA-LOCK ZONE 2 MALE TO STANDARD M12 FEMALE DOUBLE ENDED CORDSET  
 LWLW= ULTRA-LOCK ZONE 2 FEMALE TO ULTRA-LOCK ZONE 2 MALE DOUBLE ENDED CORDSET

II: NUMBER OF POLES: 3= 3 PIN, 4= 4 PIN, 5 = 5 PIN

III: CONFIGURATION

SINGLE ENDED:  
 000= STRAIGHT FEMALE CONNECTOR  
 001= FEMALE 90°  
 006= STRAIGHT MALE, EXTERNAL THREAD  
 007= MALE 90°

DOUBLE ENDED:

030= STRAIGHT FEMALE CONNECTOR TO STRAIGHT MALE CONNECTOR  
 031= FEMALE 90° TO MALE STRAIGHT  
 032= FEMALE STRAIGHT TO MALE 90°  
 033= FEMALE 90° TO MALE 90°

IV: CABLE TYPE

C02= SJ00W YELLOW, 18 AWG, DC CODE  
 K03= PLTC/ITC, 18 AWG, TPE JACKET  
 K05= PLTC/ITC, 22 AWG, TPE JACKET

V: UNIT OF MEASURE

F= FEET  
 M= METERS

VI: CABLE LENGTH (MAY BE ANY 3 DIGIT NUMBER FROM 001-100)

1ST DIGIT= 10 X LENGTH  
 2ND DIGIT= 1 X LENGTH  
 3RD DIGIT= .1 X LENGTH

VII: COUPLING NUT MATERIAL

ULTRA-LOCK ZONE 2 END(S) ARE STAINLESS STEEL

M12 OR ULTRA-LOCK:

NONE = STANDARD MATERIAL (NICKEL PLATED BRASS)  
 8= STAINLESS STEEL

**NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED  
 NO CHANGES CAN BE MADE TO THE ASSEMBLY, COMPONENTS  
 OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND  
 FACTORY MUTUAL.**

M12/MICROCHANGE ULTRA-LOCK OUTLETS

LWR 3 A00 A18 M 020 8  
 I II III IV V VI VII

I: CONNECTOR TYPE

LWR= LOCKING INLETS AND OUTLETS

II: NUMBER OF POLES 3=3 PIN, 4= 4 PIN, & 5= 5 PIN

III: CONFIGURATION

SINGLE ENDED:  
 A00= FEMALE STRAIGHT (INT.THEAD) 1/4-18 NPT  
 A06= MALE STRAIGHT (EXT.THEAD) 1/4-18 NPT  
 000= FEMALE STRAIGHT (INT.THEAD) 1/2-14 NPT  
 006= MALE STRAIGHT (EXT.THEAD) 1/2-14 NPT

IV: WIRE TYPE

A18= 22 AWG, PVC, DC COLOR CODE, UL TYPE 1061  
 A16= 18 AWG, PVC, DC COLOR CODE, UL TYPE 1569  
 000= PCB PINS  
 000= PCB PINS

V: UNIT OF MEASURE




A= INCHES  
 F= FEET  
 C= CENTIMETERS  
 M= METERS

VI: WIRE LENGTH (MAY BE ANY 3 DIGIT NUMBER FROM 001-100)

1ST DIGIT= 10 X LENGTH  
 2ND DIGIT= 1 X LENGTH  
 3RD DIGIT= .1 X LENGTH

VII: SHELL MATERIAL

M12 OR ULTRA-LOCK:  
 NONE = STANDARD MATERIAL (COPPER ZINC ALLOY)  
 3= NICKEL PLATED BRASS  
 8= STAINLESS STEEL

SEE SHEET 1 EC NO: IFC2016-0500 D/DRUMHRSTONE 2015/10/16 CHKD:WAI LEUNG 2016/05/20 APPR: JFURPHY 2016/05/20	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	 = 0  = 0	mm      INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	IN/MM DRAWN BY DATE RSTONE 2012/05/18 CHECKED BY DATE K JOZWIK 2012/05/22 APPROVED BY DATE JFMURPHY 2012/08/27	1:1 TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2	INCH	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			