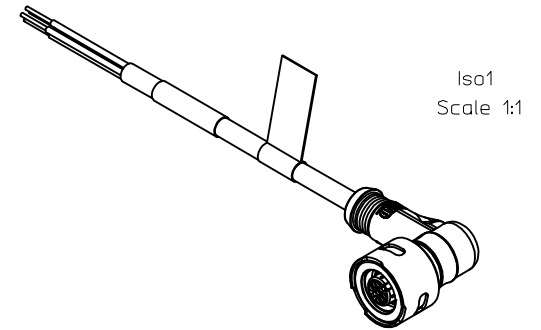
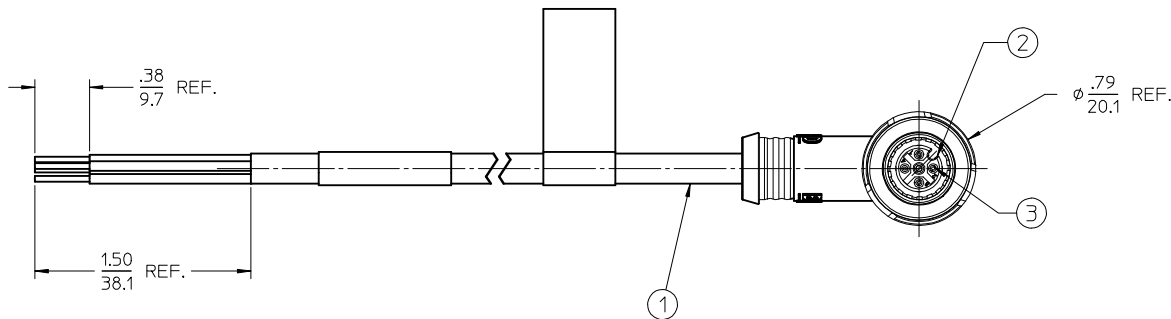
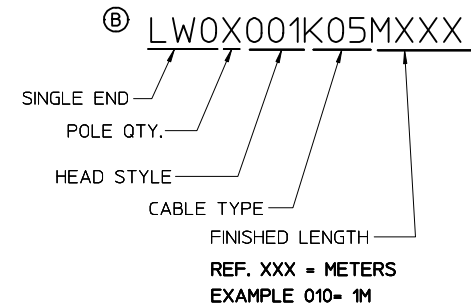
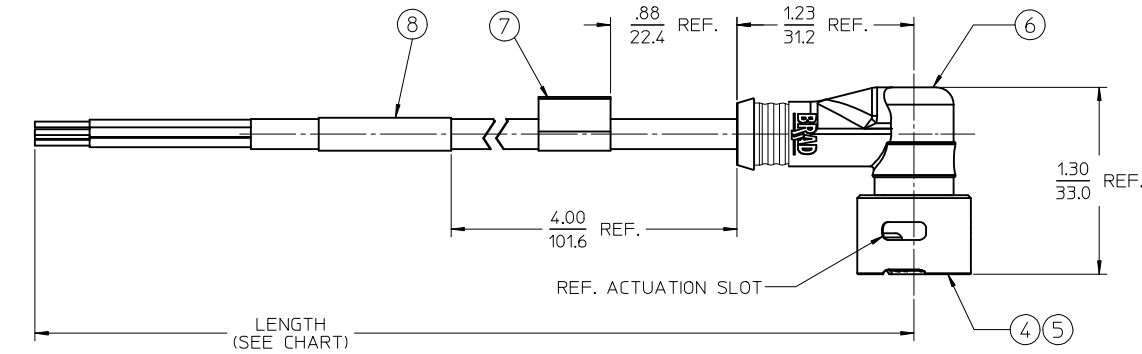


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206140007	LW03001K05M020	78.7 (2M)	3
1206140008	LW04001K05M020	78.7 (2M)	4

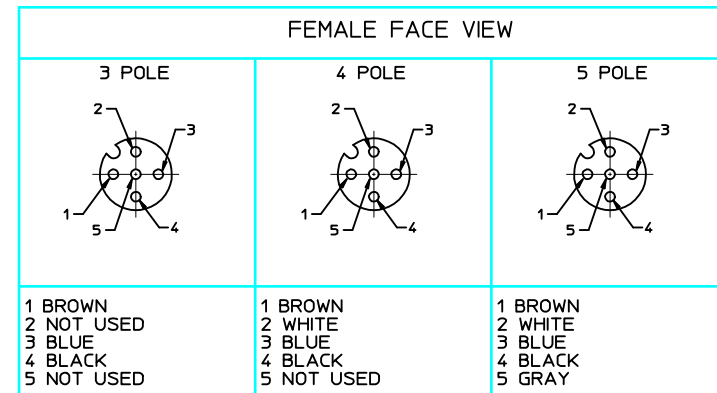
NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
NO CHANGES CAN BE MADE TO THE ASSEMBLY, COMPONENTS
OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.



ISO1
Scale 1:1



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



8	1	WRAP LABEL	PLASTIC FILM	BLACK/YELLOW
7	1	FLAG LABEL (WARNING)	POLYESTER	BLACK/ORANGE
6	1	OVERMOLD	TPE	YELLOW
5	1	OUTER SLEEVE	ST. STEEL	PASSIVATED
4	1	INNER SLEEVE	ST. STEEL	PASSIVATED
3	XX	CONTACT	Cu ALLOY	GOLD PLATED
2	1	INSERT	PUR	BLACK
1	1	CABLE, #22 AWG ITC/PLTC	TPE	YELLOW
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

REV	DESCRIPTION
B	ADDED P/N LEGEND

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± .005	± .0004
3 PLACES ± .002	± .0001
2 PLACES ± .001	± .0001
1 PLACE ± 0.3	± .012
ANGULAR ± 2°	

DIMENSION STYLE	
IN/MM	
DRAWN BY	DATE
RSTONE	2011/11/18
CHECKED BY	DATE
L. HARTMANN	2012/01/27
APPROVED BY	DATE
JFMURPHY	2012/04/18

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1.5:1	INCH	
TITLE		
ULTRA-LOCK ZONE 2 FEMALE 90 DEGREE K05, 22 AWG, TPE		
MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-120614-008	1 OF 1

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

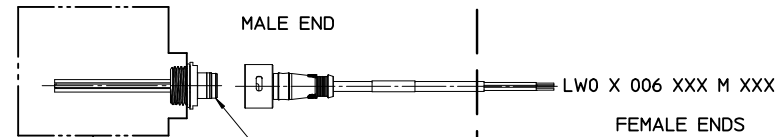
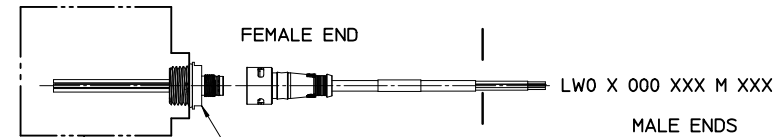
PRELIMINARY EC NO: IPG2016-0500 DRAWN BY: RSTONE 2016/03/07 CHKD: WAI LEUNG 2016/05/20 APPR: JFMURPHY 2016/05/20	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES	mm	INCH	DRAWN BY	DATE	TITLE SCHEDULE DRAWING FOR ULTRA LOCK ZONE 2		
	∇=0	3 PLACES			CHECKED BY	DATE			
		2 PLACES			WAI LEUNG		molex		
		1 PLACE			APPROVED BY	DATE			
	0 PLACE			JFMURPHY	2016/05/20	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
A		ANGULAR ±---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	SD-120614-998 1 OF 1		
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

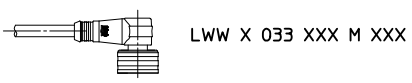
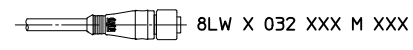
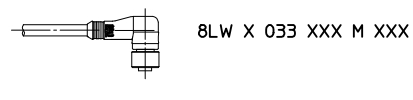
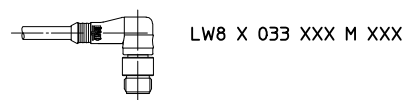
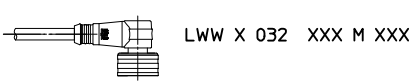
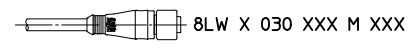
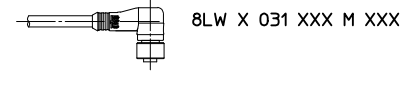
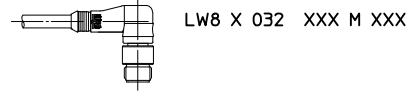
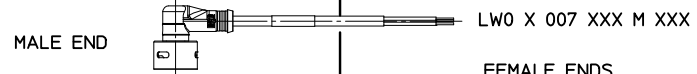
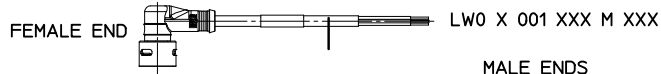
CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

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:
- 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
 - 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
 - FIELD DEVICE APPROVAL FOR CLASS 1, DIV. 2 OR CLASS 1, ZONE2 INSTALLATIONS
 - ATEX cert no: ATEX FM15ATEX0048X IECEx FMG 15.0012X

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
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THIS DRAWING SUPERSEDES ES-120614-001 REV-B

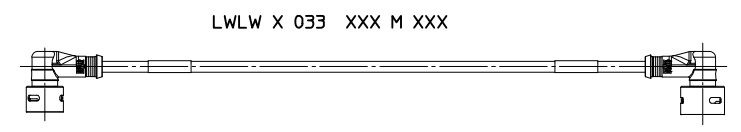
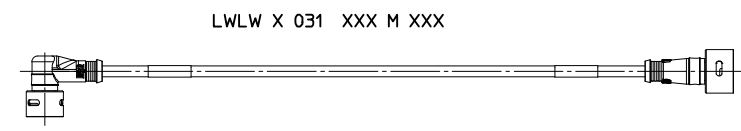
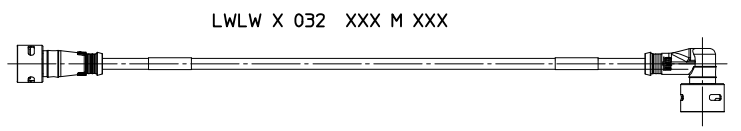
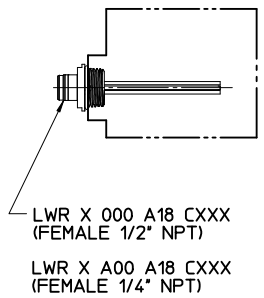
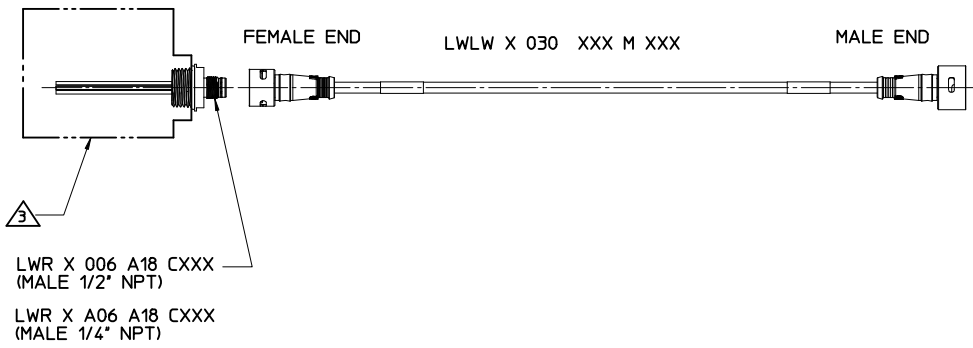
ADDED NOTE 4 EC NO: IPG2016-0500 DRAWNR: STONE 2015/10/16 CHKD: WAI LEUNG 2016/05/20 APPR: J. MURPHY 2016/05/20	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY RSTONE	DATE 2012/05/18	TITLE CONTROL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

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OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.

SEE SHEET 1 EC NO: JFG2016-0500 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) <table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </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>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE IN/MM	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	± ---	± ---																		
	3 PLACES	± ---	± ---																		
2 PLACES	± ---	± ---																			
1 PLACE	± ---	± ---																			
		DRAWN BY: RSTONE DATE: 2012/05/18 CHECKED BY: K JOZWIK DATE: 2012/05/22 APPROVED BY: JFMURPHY DATE: 2012/08/27	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2																		
		MATERIAL NO. 1206149999	MOLEX INCORPORATED																		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C	DOCUMENT NO. SD-120614-999	SHEET NO. 2 OF 3																

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
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 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	IN/MM	1:1	INCH	CONTROL DOC FOR ULTRA-LOCK ZONE 2
		INCH	IN/MM			
	DESCRIPTION	4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	DRAWN BY DATE RSTONE 2012/05/18 CHECKED BY DATE K JOZWIK 2012/05/22 APPROVED BY DATE JFMURPHY 2012/08/27	TITLE	MOLEX INCORPORATED DOCUMENT NO. SD-120614-999 SHEET NO. 3 OF 3	
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 1206149999	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			