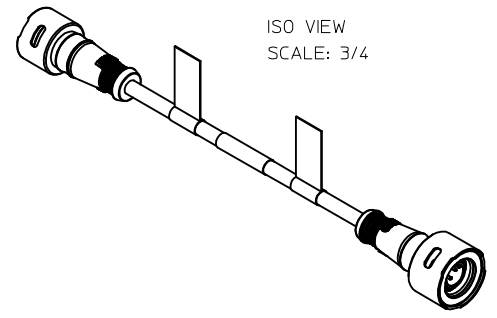


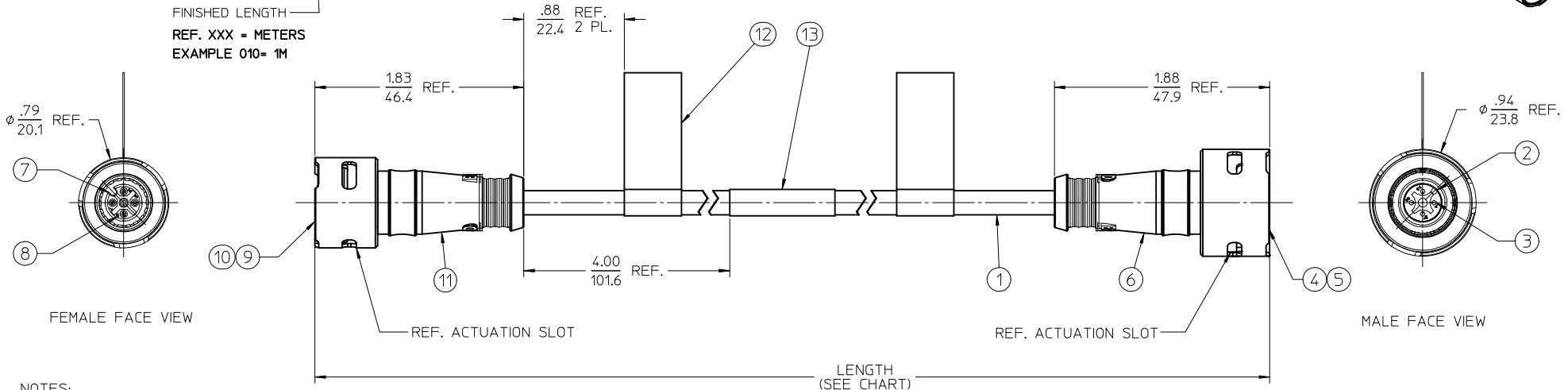
MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206130001	LWLW3030K05M010	39.4 (1M)	3
1206130002	LWLW4030K05M010	39.4 (1M)	4

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.

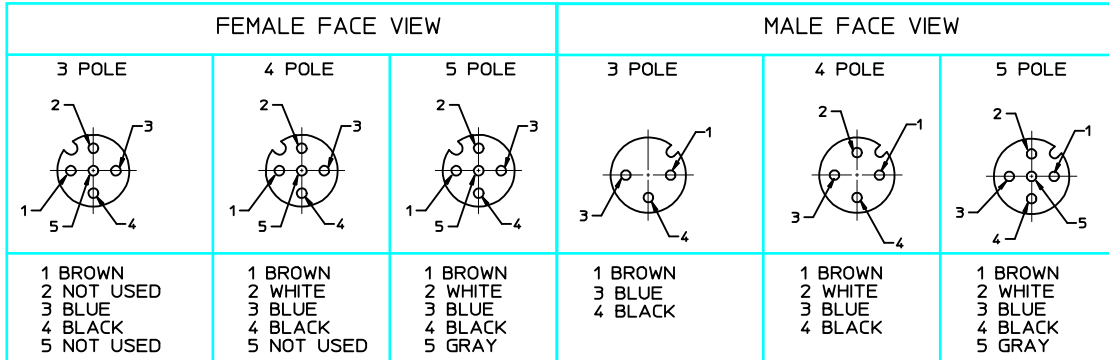


Ⓑ LWLWX030K05MXXX

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
  - 3 & 4 POLE ELECTRICAL SPECIFICATIONS:  
VOLTAGE RATING: 125V  
CURRENT RATING: 4 AMPS
  - 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, #22 AWG ITC/PLTC	TPE	YELLOW

<b>ADDED P/N LEGEND</b> EC NO: IPG2014-0138 DRAWN BY: DRWINRSTONE 2013/07/24 CHK'D BY: WOODMAN 2013/08/01 APPR: BWOODMAN 2013/12/30	<b>QUALITY SYMBOLS</b> 	<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>		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	±---																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. <b>SD-120613-001</b>	SHEET NO. <b>1 OF 1</b>																		

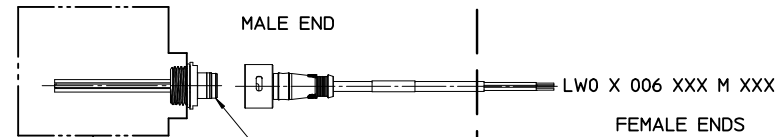
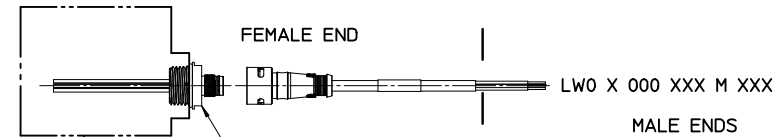
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

NON-HAZARDOUS LOCATION

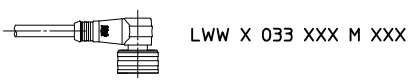
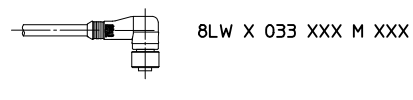
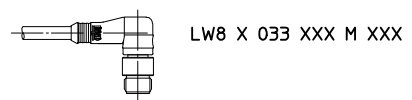
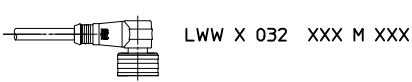
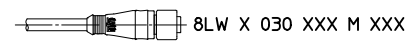
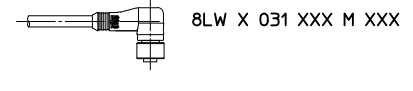
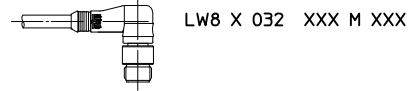
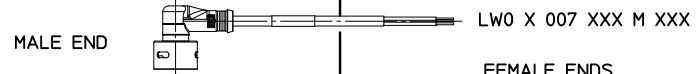
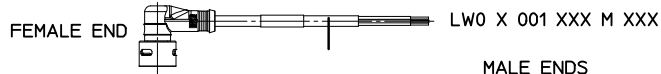
CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

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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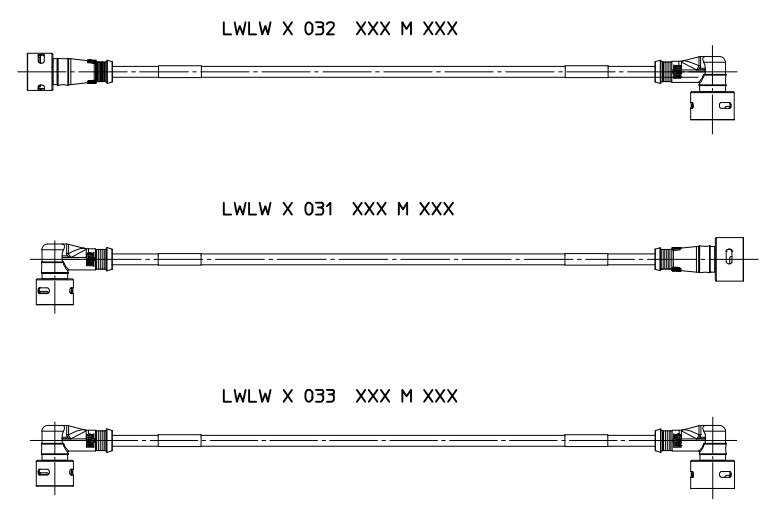
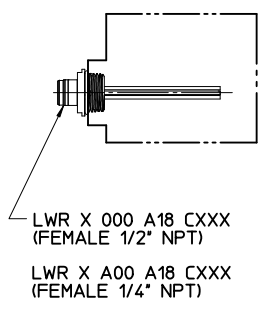
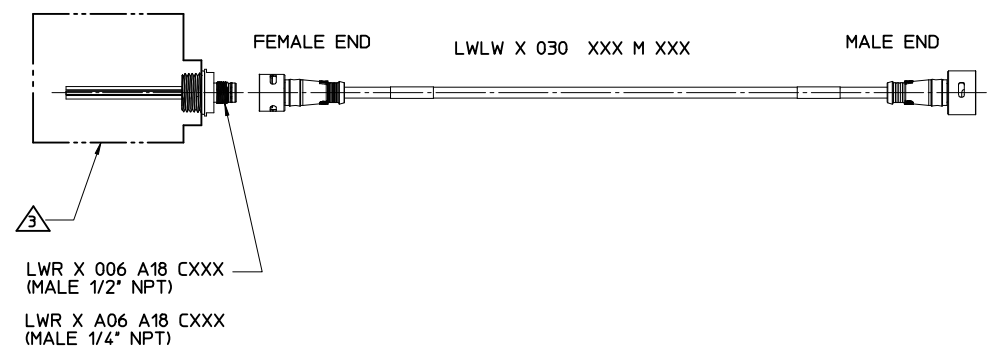
THIS DRAWING SUPERSEDES ES-120614-001 REV-B

ADDED NOTE 4 EC NO: IPG2016-0500 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		
						DRAWN BY: RSTONE DATE: 2012/05/18		TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2		
						CHECKED BY: K JOZWIK DATE: 2012/05/22		MOLEX INCORPORATED		
						APPROVED BY: JFMURPHY DATE: 2012/08/27				
		ANGULAR ± ---°		MATERIAL NO. 1206149999		DOCUMENT NO. SD-120614-999		SHEET NO. 1 OF 3		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

REF. SEE SHEET 3 FOR CONFIGURATION INFORMATION

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) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <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> </tbody> </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	± ---	± ---																		
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2 PLACES	± ---	± ---																			
1 PLACE	± ---	± ---																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY RSTONE	DATE 2012/05/18	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2	MOLEX INCORPORATED																	
MATERIAL NO. 1206149999	APPROVED BY JFMURPHY	DATE 2012/08/27	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																
REV D	DESCRIPTION																				

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 DR: DR: W/HRSTONE 2015/10/16 CHK: CHK: WAI LEUNG 2016/05/20 APPR: APPR: JF MURPHY 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			
		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 MATERIAL NO. 1206149999 DOCUMENT NO. SD-120614-999 SHEET NO. 3 OF 3	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				