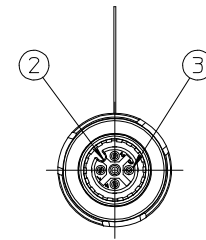
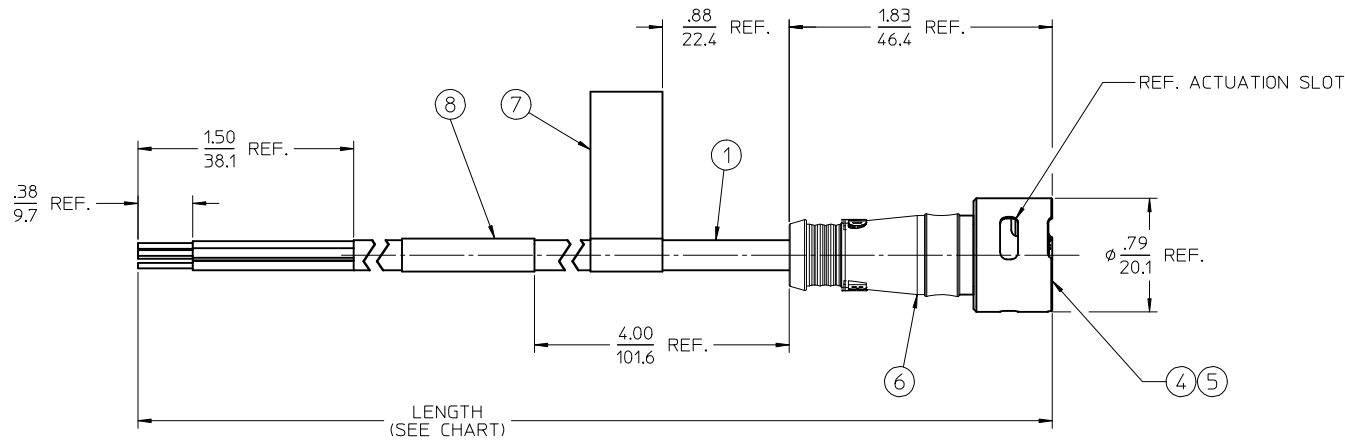
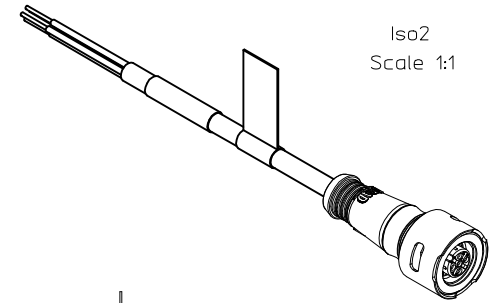


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206142001	LW04000K03M020	78.7 (2M)	4
1206142002	LW05000K03M020	78.7 (2M)	5

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.



- 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

② LW0X000K03MXXX

SINGLE END
POLE QTY.
HEAD STYLE
CABLE TYPE
FINISHED LENGTH
REF. XXX = METERS
EXAMPLE 010= 1M

FEMALE FACE VIEW		
3 POLE	4 POLE	5 POLE
1 BROWN 2 NOT USED 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GRAY

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
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, #18 AWG ITC/PLTC	TPE	YELLOW

ADDED P/N LEGEND EC NO: IPG2014-0138 DRAWNR: STONE 2013/07/23 CHKDR: WOODMAN 2013/08/01 APPR: BWOODMAN 2013/12/30	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE 1.5:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± .01 1 PLACE ± 0.3 ± ---	mm INCH	DRAWN BY RSTONE 2011/11/21	DATE 2011/11/21	TITLE ULTRA-LOCK ZONE 2 FEMALE, STRAIGHT K03, 18 AWG, TPE			
		ANGULAR ± 2 °		CHECKED BY L. HARTMANN 2012/01/27	DATE 2012/01/27	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY JFMURPHY 2012/04/18	DATE 2012/04/18	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-120614-011	SHEET NO. 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

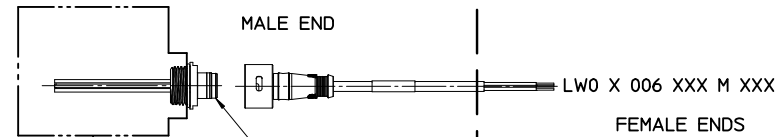
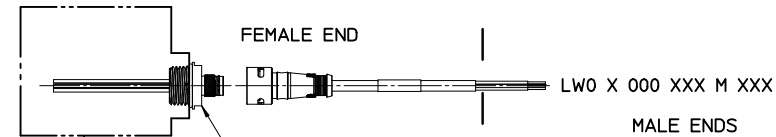
PRELIMINARY EC NO: IPG2016-0500 DRAWN BY: RSTONE 2016/03/07 CHKD: WAI LEUNG 2016/05/20 APPR: JFMURPHY 2016/05/20	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE SCHEDULE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

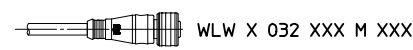
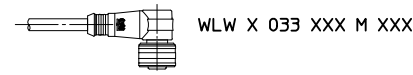
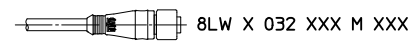
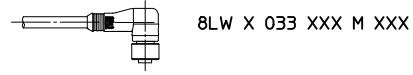
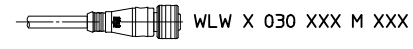
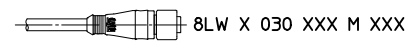
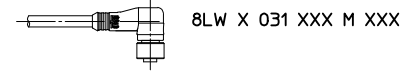
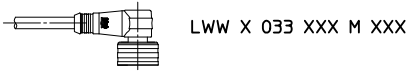
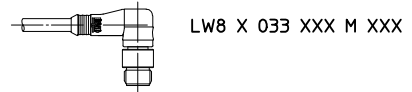
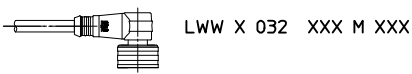
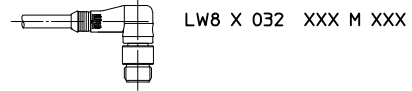
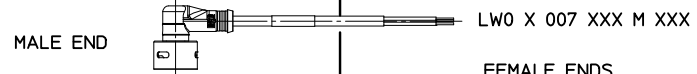
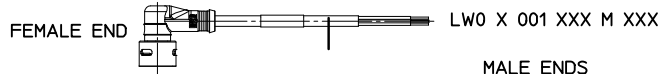
CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

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:
- 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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OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.

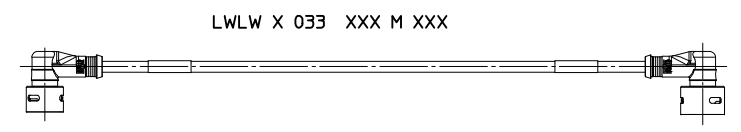
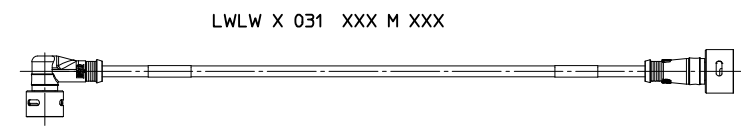
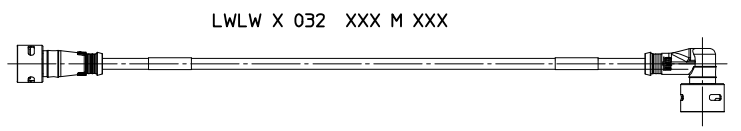
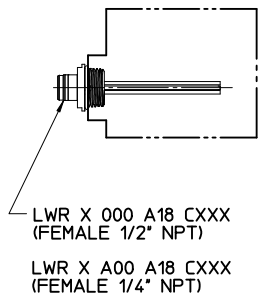
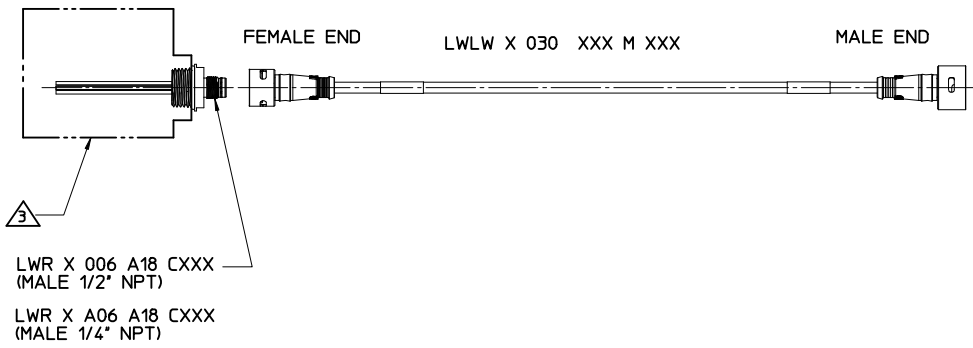
THIS DRAWING SUPERSEDES ES-120614-001 REV-B

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