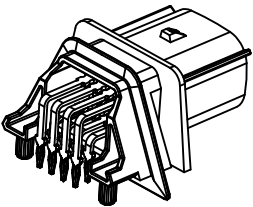


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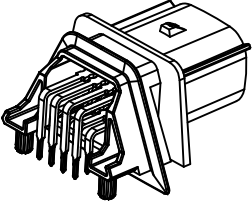
NOTES UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5015
 - b. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
 - c. 15 PCB PRESS-FIT (COMPLIANT PIN) PER SD-31503-012 REV A
 - d. PCB INTENDED TO BE FR4 0.062" (1.6mm) THICK
2. DESIGN - MATERIALS:
- a. HOUSING: PBT 30%GF.
 - b. TERMINAL:
 - SOLDER VERSION: COPPER ALLOY.
 - COMPLIANT VERSION: COPPER ALLOY.
3. DESIGN - GEOMETRY:
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - b. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
 - c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - f. LETTERING SHALL BE 0.15 MAX RAISED. THIS INCLUDES RECYCLING CODE, CAVITY ID, MANUFACTURING LOCATION, AND MOLEX MATERIAL NUMBER.
4. TRUE POSITIONS OF THE EONS AND SOLDERTAIL TO BE VERIFIED WITH A FUNCTIONAL GO/NO GO GAUGE.
5. ALL DIMENSIONS APPLY TO THE PART AS SHIPPED FROM MOLEX. FINAL POSITIONING IS ACHIEVED WITH PCB APPLICATION TOOLING. REFERENCE AS-34829-001.
6. LASER MARKING TO BE MARKED WITH:
- HUMAN READABLE CODE (HRC)
 - PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE
 - INFORMATION TO BE PRINTED
 - 9 DIGIT MOLEX MATERIAL NUMBER
 - 5 DIGIT JULIAN MANUFACTURING DATE STAMP DDDYY
7. TRUE POSITION OF THE MATE SIDE CONNECTOR TO BE VERIFIED WITH A GO/NO-GO FUNCTIONAL GAGE
8. ALL DIMENSION WITH OUT BALLOONS ARE NOT MEASURED. SURROGATE DATA FROM THE COMPONENT PRINT WILL BE USED TO MEET DIMENSIONAL REQUIREMENTS.
9. EON (COMPLIANT PIN) DESIGN REQUIRES AN ASSEMBLY FIXTURE FOR INSTALLATION.

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	CONFIGURATIONS
3	HEADER TO CASTING INTERFACE
4	PCB INTERFACE EON/SOLDERTIP
5	CASTING INTERFACE
6	PCB INTERFACE



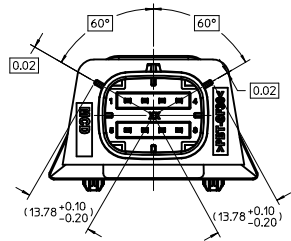
EON SHOWN



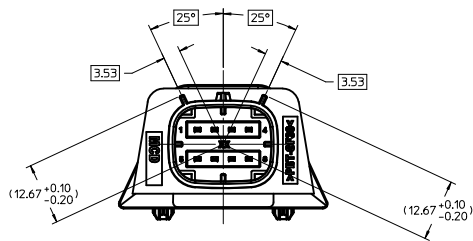
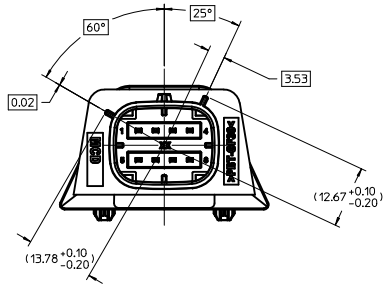
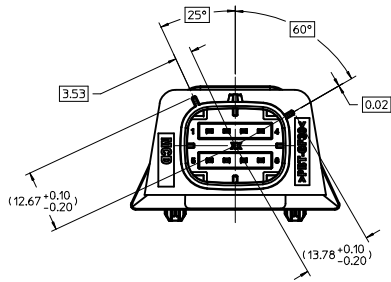
SOLDERTAIL SHOWN

INSPECTION BALLOON NUMBER LOG						
PER DRAWING REVISION: A2						
LAST BALLOON NUMBER USED: 17				A2 ADD DIMS .CHANGE DRAWING FORMAT		
ADDED BALLOON NUMBERS: NONE				A1 DRAWING UPDATE		
REMOVED BALLOON NUMBERS: NONE				A DRAWING RELEASE		
REV				DESCRIPTION		
ENTER DESCRIPTION IEC NO: GCA2012-0002 DRAWN BY: LSONG05 CHKD: PBERG APPR: PBERG DATE: 2011/12/13 REV: A2		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DIMENSION STYLE MM ONLY DRAWN BY: LSONG05 CHECKED BY: JLOHMAN APPROVED BY: PBERG DATE: 2010/12/27 DATE: 2010/12/27 DATE: 2011/03/01	SCALE 2:1 TITLE MX150 2X4 HEADER	DESIGN UNITS METRIC THIRD ANGLE PROJECTION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE SHEET 2 DOCUMENT NO. SD-34829-081 SHEET NO. 1 OF 6		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



FOR KEY OPTION A

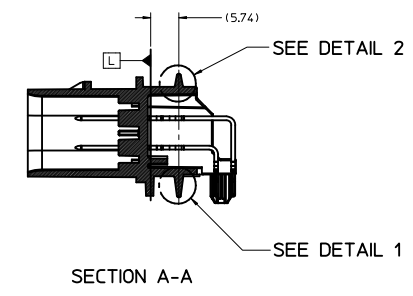
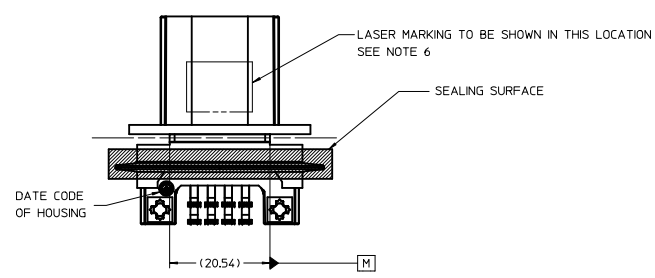
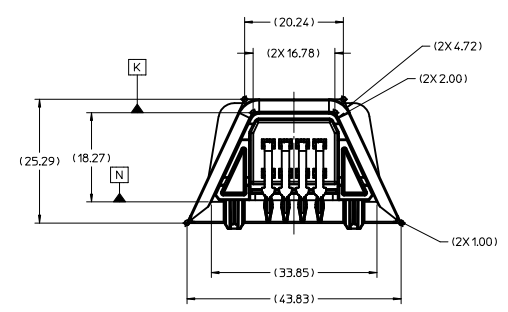
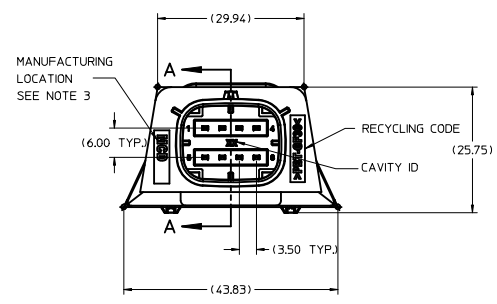
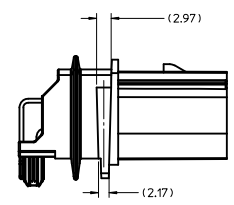
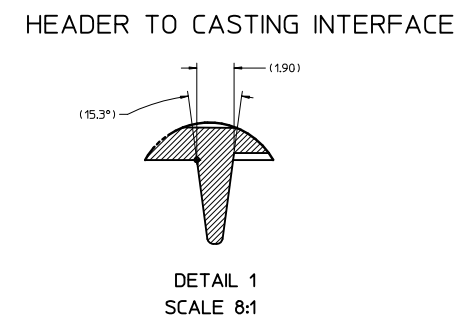
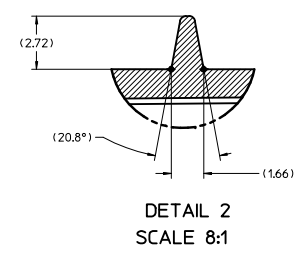
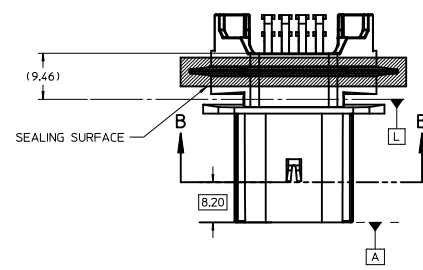
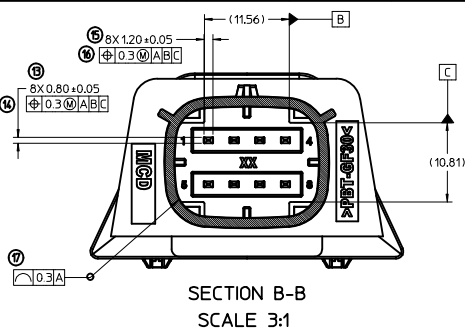


CONFIGURATIONS / KEY OPTIONS

MATERIAL No.	DESCRIPTION	KEY CODING	COLOR	150 BLADE PLATING	STATUS
348290801	2X4 WAY EON	A	BLACK	Sn	DESIGN RELEASE
348290802	2X4 WAY EON	B	LT GRAY	Sn	DESIGN RELEASE
348290803	2X4 WAY EON	C	DK GRAY	Sn	DESIGN RELEASE
348290804	2X4 WAY EON	D	BLACK	Sn	DESIGN RELEASE
348300801	2X4 WAY SOLDER TAIL	A	BLACK	Sn	DESIGN RELEASE
348300802	2X4 WAY SOLDER TAIL	B	LT GRAY	Sn	DESIGN RELEASE
348300803	2X4 WAY SOLDER TAIL	C	DK GRAY	Sn	DESIGN RELEASE
348300804	2X4 WAY SOLDER TAIL	D	BLACK	Sn	DESIGN RELEASE

ENTER DESCRIPTION EC NO: GCA2012-0002 DRAWN: SONG05 CHKD: APPR: PBERG REV A2	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				DRAWN BY LSONG05		DATE 2010/12/27	TITLE MX150 2X4 HEADER		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY JLOHMAN		DATE 2010/12/27	APPROVED BY PBERG		
				MATERIAL NO. SEE SHEET 2		DATE 2011/03/01	DOCUMENT NO. SD-34829-081		
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

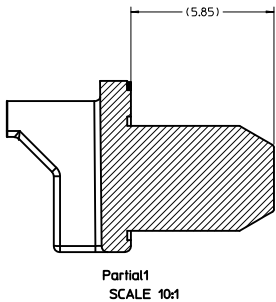
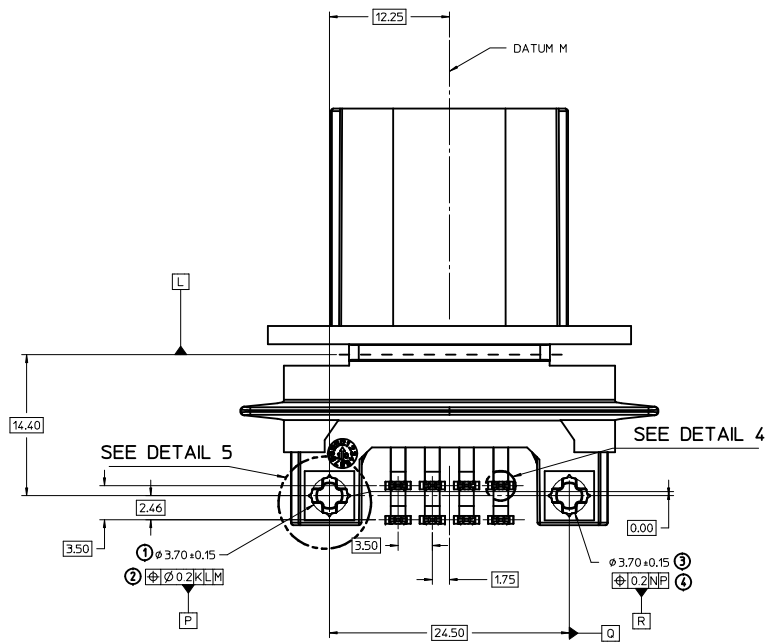
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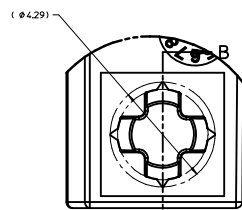
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				DRAWN BY LSONG05	DATE 2010/12/27	TITLE					
				CHECKED BY JLOHMAN	DATE 2010/12/27						
				APPROVED BY PBERG	DATE 2011/03/01						
				MATERIAL NO.		 MOLEX INCORPORATED	DOCUMENT NO.				
				SEE SHEET 2			SD-34829-081				
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 3 OF 6	

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

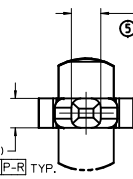
2x4 HEADER ASSEMBLY EON DESIGN



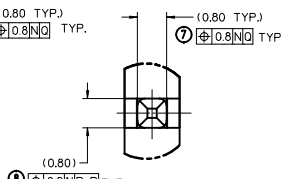
Partial1
SCALE 10:1



DETAIL 5
SCALE 10:1

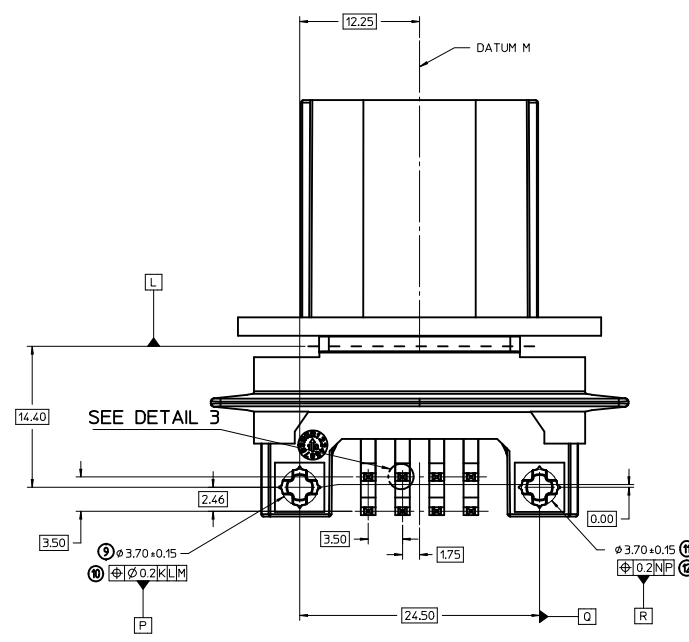


DETAIL 4
SCALE 15:1



DETAIL 3
SCALE 15:1

2x4 HEADER ASSEMBLY SOLDER-TAIL DESIGN

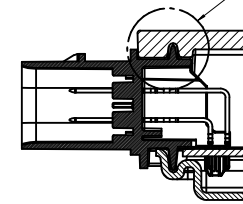
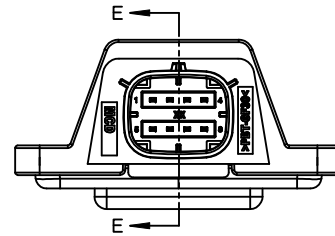


ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
IEC NO: GCA2012-0002		▽=0		mm		MM ONLY		4:1		METRIC		THIRD ANGLE PROJECTION	
DRAWN BY: LSONG05		▽=0		INCH		DATE: 2010/12/27		TITLE: MX150 2X4 HEADER		MATERIAL NO. SD-34829-081		SHEET NO. 4 OF 6	
CHECKED BY: JLOHMAN		▽=0		4 PLACES ± ---		DATE: 2010/12/27		APPROVED BY: PBERG		DATE: 2011/03/01		MOLEX INCORPORATED	
APPROVED BY: PBERG		▽=0		3 PLACES ± ---		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01	
DATE: 2011/12/13		▽=0		2 PLACES ± 0.13		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01	
CHYO: APPR: PBERG		▽=0		1 PLACE ± 0.25		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01	
DATE: 2012/01/17		▽=0		ANGULAR ± 3 °		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01	
A2		▽=0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01		DATE: 2011/03/01	

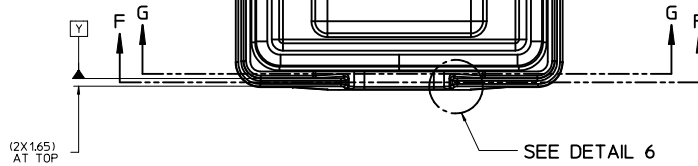
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CASTING INTERFACE
FOR REFERENCE ONLY

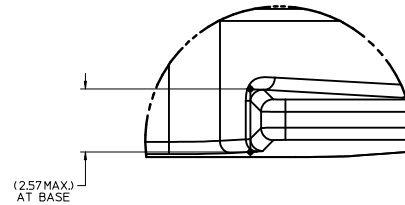
SEE DETAIL 7



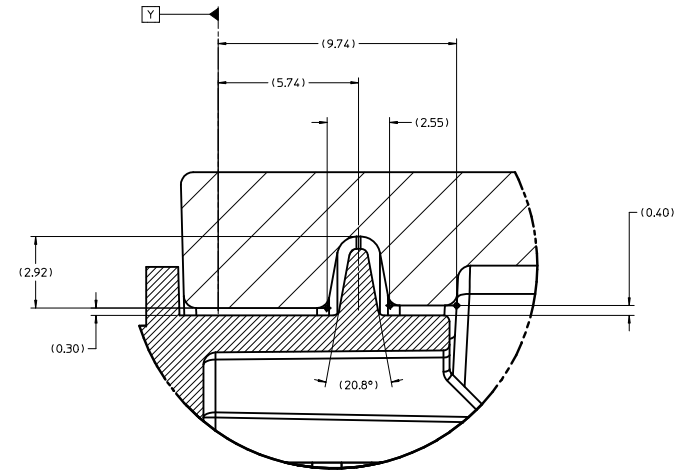
SECTION E-E
SCALE 2:1



SECTION G-G
SCALE 2:1

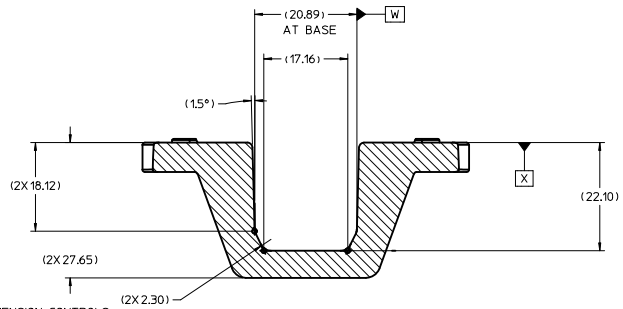
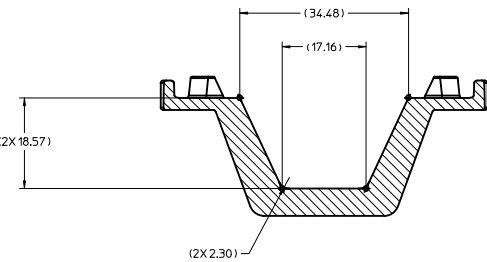


DETAIL 6
SCALE 10:1



TYPICAL CONSTRUCTION

DETAIL 7
SCALE 10:1

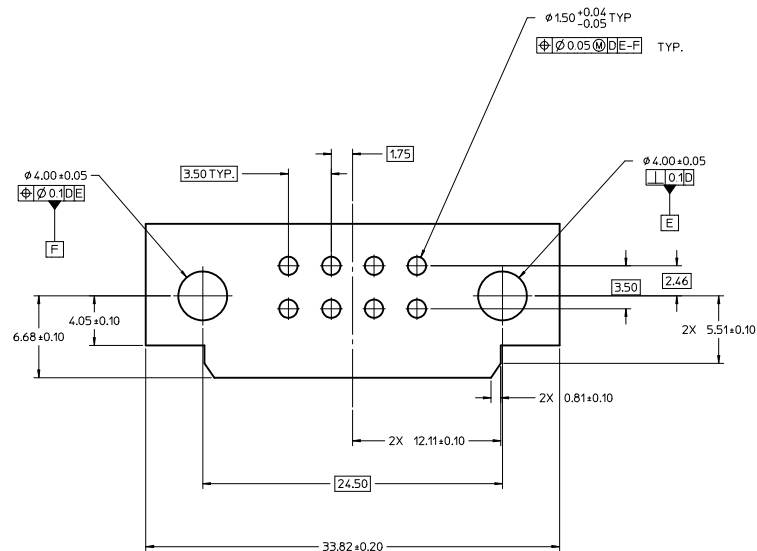


SECTION F-F
SCALE 2:1

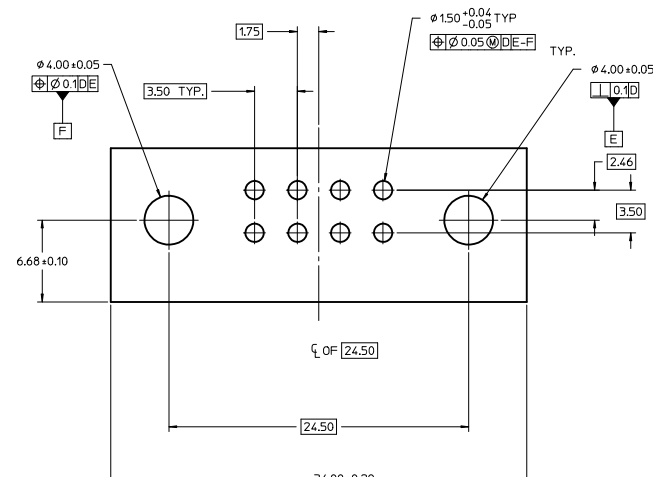
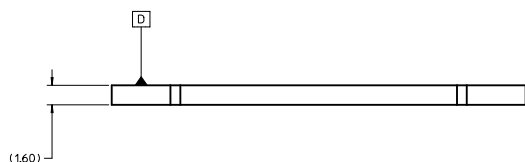
THIS DIMENSION CONTROLS
FEATURES TO ENSURE THE
CONNECTOR LATCH IS PROTECTED.

ENTER DESCRIPTION IEC NO: GCA2012-0002 DRAWN: LSONG05 CHKD: CHYD APPR: PBERG 2011/12/13 2012/01/17 A2	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 2X4 HEADER MOLEX INCORPORATED SD-34829-081		
			mm	INCH	DRAWN BY LSONG05	DATE 2010/12/27	MATERIAL NO. SEE SHEET 2				
		4 PLACES ±	±----	±----	CHECKED BY JL OHMAN	DATE 2010/12/27	DOCUMENT NO. SD-34829-081				
		3 PLACES ±	±----	±----	APPROVED BY PBERG	DATE 2011/03/01	SHEET NO. 5 OF 6				
		2 PLACES ±	±0.13	±----	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		1 PLACE ±	±0.25	±----							
ANGULAR ± 3 °											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											

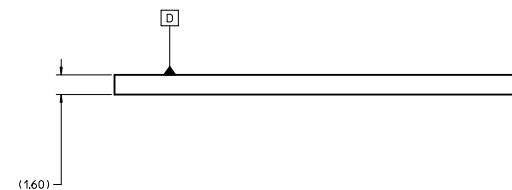
PCB INTERFACE FOR REFERENCE ONLY



PCB LAYOUT FOR EON
TOWARD HARNESS CONNECTOR



PCB LAYOUT FOR SOLDER TAIL
TOWARD HARNESS CONNECTOR



ENTER DESCRIPTION IEC NO: GCA2012-0002 DRAWN BY: LSONG05 CHKD: CHYD APPR: PBERG DATE: 2011/12/13 2012/01/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY LSONG05	DATE 2010/12/27	TITLE MX150 2X4 HEADER			
			4 PLACES ± ---	± ---	CHECKED BY JLOHMAN	DATE 2010/12/27	 MOLEX INCORPORATED			
			3 PLACES ± ---	± ---	APPROVED BY PBERG	DATE 2011/03/01				
			2 PLACES ± 0.13	± ---	MATERIAL NO. SEE SHEET 2					
			1 PLACE ± 0.25	± ---	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										