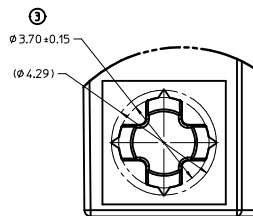
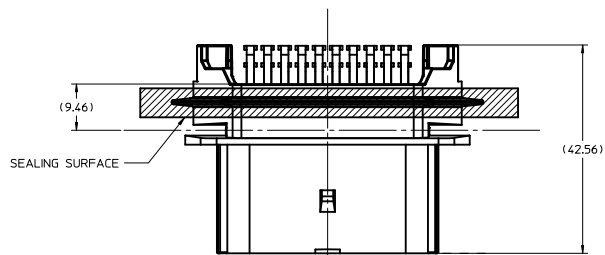
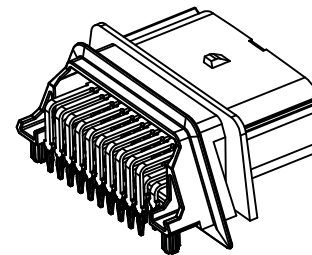


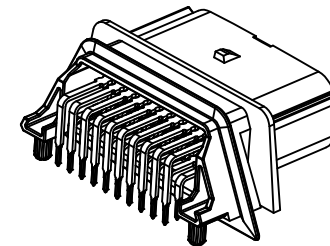
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



DETAIL 1
SCALE 10:1



EON SHOWN
(2X10 SHOWN)



SOLDERTAIL SHOWN
(2X10 SHOWN)

NOTES UNLESS OTHERWISE SPECIFIED

1. GENERAL:

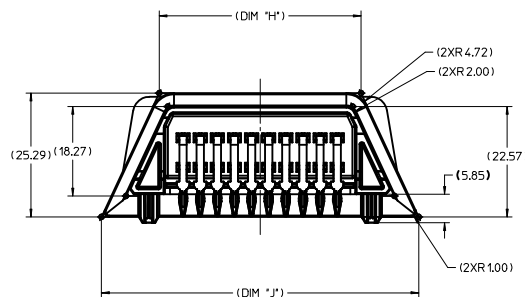
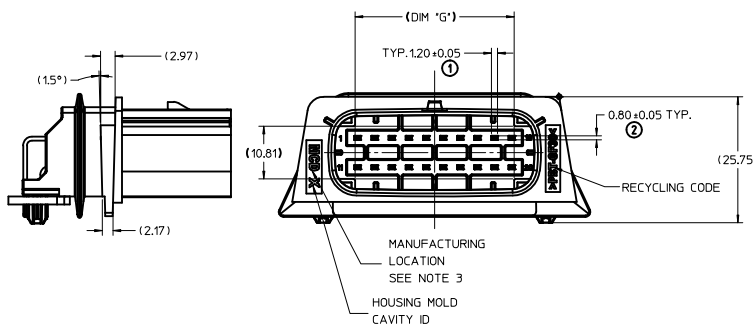
- PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5015
- DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- 15 PCB PRESS-FIT (COMPLIANT PIN) PER SD-31503-012 REV A
- PCB INTENDED TO BE FR4 0.062" (1.6mm) THICK

2. DESIGN - MATERIALS:

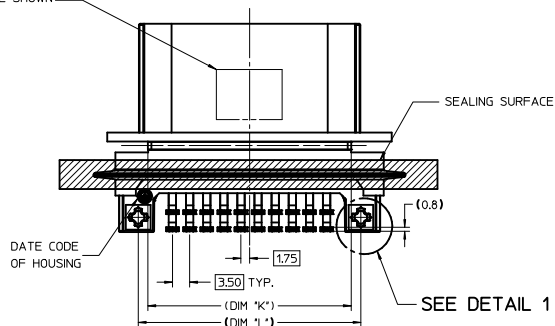
- HOUSING: PBT 30%GF.
- TERMINAL:
 - SOLDER VERSION: COPPER ALLOY.
 - COMPLIANT VERSION: COPPER ALLOY.

3. DESIGN - GEOMETRY:

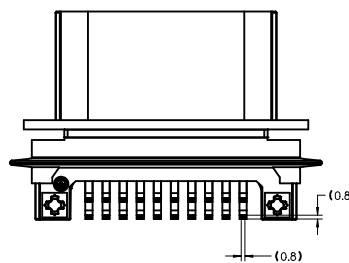
- THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - 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 15mm 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.



LASER MARKING TO BE SHOWN
IN THIS LOCATION
SEE NOTE 6



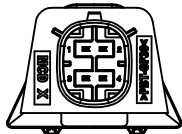
EON DESIGN



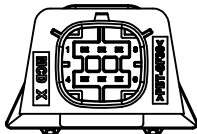
SOLDERTAIL DESIGN

ENTER DESCRIPTION EC NO: GCA2012-0084 DRAWN: COZHANG CHKD: APPR: PBERG REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm		INCH		DRAWN BY LSONG05	DATE 2012/03/22	TITLE MX150 DUAL ROW R/A HEADER ASSEMBLY		
		4 PLACES ± ---		± ---		CHECKED BY TITAN	DATE 2012/03/22			
		3 PLACES ± ---		± ---		APPROVED BY PBERG	DATE 2012/05/29	MOLEX INCORPORATED		
		2 PLACES ± 0.13		± ---		MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-34829-001	SHEET NO. 1 OF 3		
		1 PLACE ± 0.25		± ---		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		ANGULAR ± 3 °								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

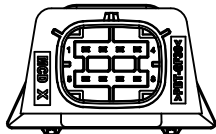
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



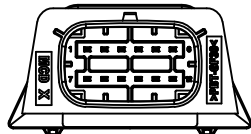
34829-04XX
34830-04XX



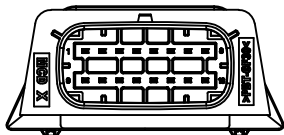
34829-06XX
34830-06XX



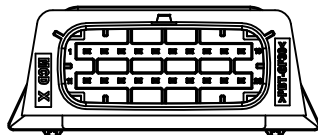
34829-08XX
34830-08XX



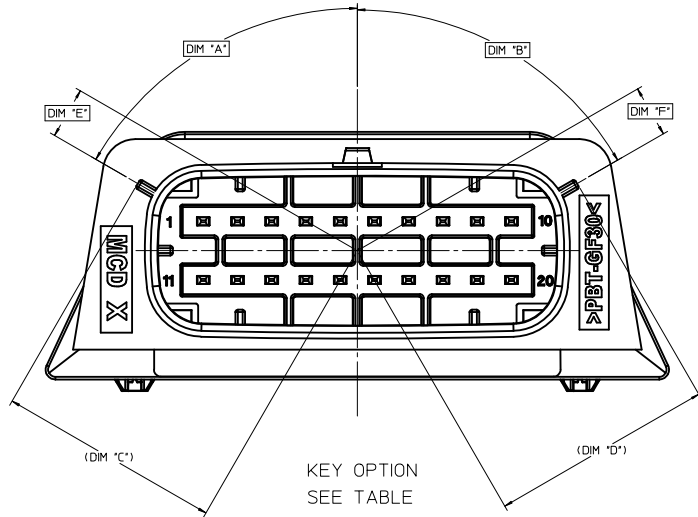
34829-12XX
34830-12XX



34829-16XX
34830-16XX



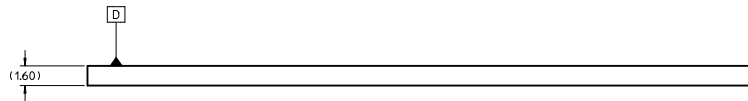
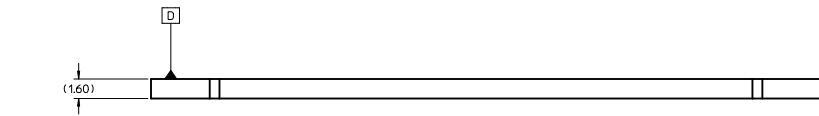
34829-20XX
34830-20XX



MATERIAL NUMBER		DESCRIPTION	KEY CODING	COLOR	DIMENSIONS											STATUS
EON	SOLDERTAIL				A	B	C	D	E	F	G	H	J	K	L	
348290401	348300401	2x2 WAY HEADER	A	BLACK	60°	60°	10.75	10.75	1.73	1.73	4.53	13.24	36.83	13.54	17.50	
348290402	348300402		B	LT GRAY	40°	60°	11.16	10.75	0.57	1.73						
348290403	348300403		C	DK GRAY	60°	40°	10.75	11.16	1.73	0.57						
348290404	348300404		D	BLACK	40°	40°	11.16	11.16	0.57	0.57						
348290601	348300601	2x3 WAY HEADER	A	BLACK	60°	60°	12.27	12.27	0.86	0.86	8.03	16.74	40.33	17.04	21.00	
348290602	348300602		B	LT GRAY	25°	60°	11.93	12.27	1.94	0.86						
348290603	348300603		C	DK GRAY	60°	25°	12.27	11.93	0.86	1.94						
348290604	348300604		D	BLACK	25°	25°	11.93	11.93	1.94	1.94						
348290801	348300801	2x4 WAY HEADER	A	BLACK	60°	60°	13.78	13.78	0.02	0.02	11.53	20.24	43.83	20.54	24.50	TOOLED
348290802	348300802		B	LT GRAY	25°	60°	12.67	13.78	3.53	0.02						
348290803	348300803		C	DK GRAY	60°	25°	13.78	12.67	0.02	3.53						
348290804	348300804		D	BLACK	25°	25°	12.67	12.67	3.53	3.53						
348291201	348301201	2x6 WAY HEADER	A	BLACK	60°	60°	16.81	16.81	1.77	1.77	18.53	27.24	50.83	27.54	31.50	
348291202	348301202		B	LT GRAY	25°	60°	14.14	16.81	6.70	1.77						
348291203	348301203		C	DK GRAY	60°	25°	16.81	14.14	1.77	6.70						
348291204	348301204		D	BLACK	25°	25°	14.14	14.14	6.70	6.70						
348291601	348301601	2x8 WAY HEADER	A	BLACK	60°	60°	19.85	19.85	3.52	3.52	25.53	34.24	57.83	34.54	38.50	
348291602	348301602		B	LT GRAY	25°	60°	15.62	19.85	9.87	3.52						
348291603	348301603		C	DK GRAY	60°	25°	19.85	15.62	3.52	9.87						
348291604	348301604		D	BLACK	25°	25°	15.62	15.62	9.87	9.87						
348292001	348302001	2x10 WAY HEADER	A	BLACK	60°	60°	22.88	22.88	5.27	5.27	32.53	41.24	64.83	41.54	45.50	TOOLED
348292002	348302002		B	LT GRAY	25°	60°	17.10	22.88	13.05	5.27						
348292003	348302003		C	DK GRAY	60°	25°	22.88	17.10	5.27	13.05						
348292004	348302004		D	BLACK	25°	25°	17.10	17.10	13.05	13.05						

ENTER DESCRIPTION IEC NO: GCA2012-0084 DRAWN: COZHANG CHKD: CHAO APPR: PBERG REV	DESCRIPTION 2012/05/07 2012/05/29	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 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY LSONG05 CHECKED BY TITAN APPROVED BY PBERG DATE 2012/03/22 DATE 2012/03/22 DATE 2012/05/29	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 DUAL ROW R/A HEADER ASSEMBLY	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-34829-001	SHEET NO. 2 OF 3

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
----	----	----	----	----	----	----	----	----	----	----	---	---	---	---	---	---	---	---	---



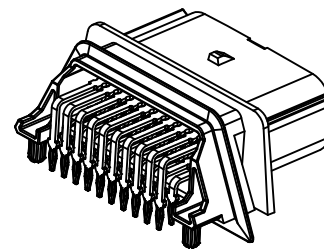
DESCRIPTION	DIMENSIONS		
	R	S	T
2X2 HEADER	17.50	26.82	8.61
2X3 HEADER	21.00	30.32	10.36
2X4 HEADER	24.50	33.82	12.11
2X6 HEADER	31.50	40.82	15.61
2X8 HEADER	38.50	47.82	19.11
2X10 HEADER	45.50	54.82	22.61

ENTER DESCRIPTION EC NO: GCA2012-0084 DRAWING: 0084 CHKD: APPR:PREG 2012/05/29 2012/05/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	DRAWN BY LSONG05	DATE 2012/03/22	MX150 DUAL ROW R/A HEADER ASSEMBLY			
	▽=0	3 PLACES ± mm ± INCH	CHECKED BY	DATE				
	▽=0	2 PLACES ± 0.13	TITAN	2012/03/22				
	▽=0	1 PLACE ± 0.25	APPROVED BY	DATE				
		ANGULAR ± 3 °	PBERG	2012/05/29	 MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-34829-001		SHEET NO. 3 OF 3	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

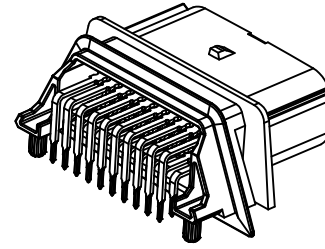
NOTES UNLESS OTHERWISE SPECIFIED

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 15mm 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



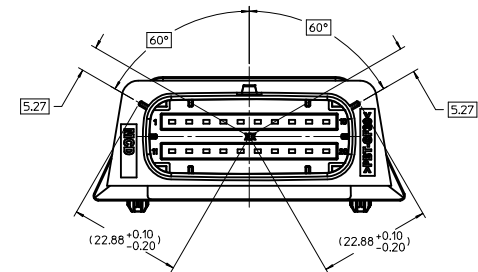
EON SHOWN



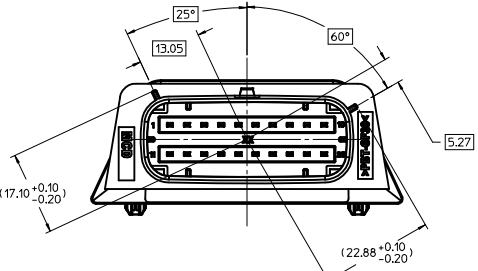
SOLDERTAIL SHOWN

INSPECTION BALLOON NUMBER LOG			
PER DRAWING REVISION: A2			
LAST BALLOON NUMBER USED: 17		A2 CHANGE DRAWING FORMAT , ADD DIMS	
ADDED BALLOON NUMBERS: 13,14,15,16,17		A1 DRAWING UPDATE	
REMOVED BALLOON NUMBERS: NONE		A DRAWING RELEASE	
		REV DESCRIPTION	
ENTER DESCRIPTION IEC NO: GCA2012-0002 DRAWN BY: LSONG05 DATE: 2011/10/12 CHKD: JLOHMAN DATE: 2012/01/17 APPR: PBERG		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	
GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	
4 PLACES ± --- ± ---		DRAWN BY: LSONG05 DATE: 2010/11/08	
3 PLACES ± --- ± ---		CHECKED BY: JLOHMAN DATE: 2010/11/08	
2 PLACES ± 0.13 ± ---		APPROVED BY: PBERG DATE: 2011/01/19	
1 PLACE ± 0.25 ± ---		MATERIAL NO. SEE SHEET 2	
ANGULAR ± 3 °		DOCUMENT NO. SD-34829-201	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED	
		THIRD ANGLE PROJECTION	
		SHEET NO. 1 OF 6	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

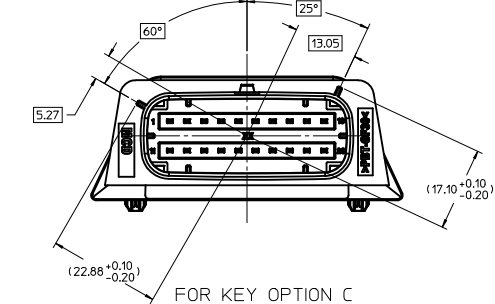
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



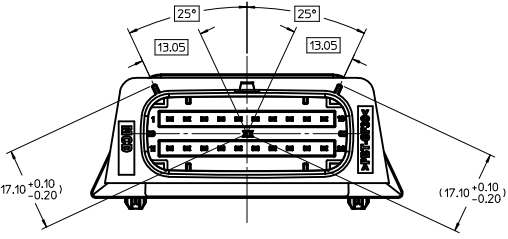
FOR KEY OPTION A



FOR KEY OPTION B



FOR KEY OPTION C



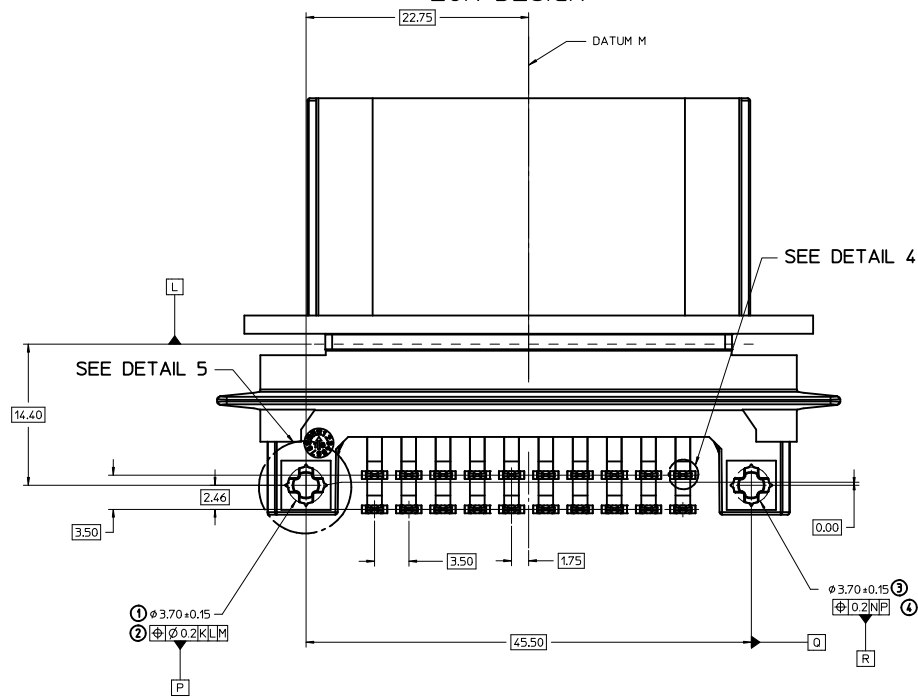
FOR KEY OPTION D

CONFIGURATIONS / KEY OPTIONS

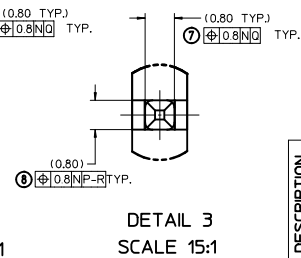
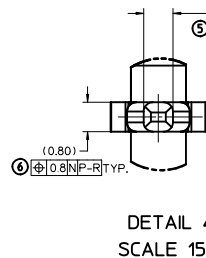
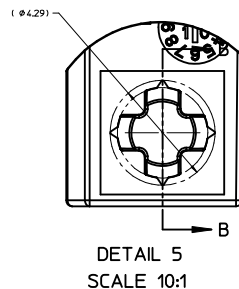
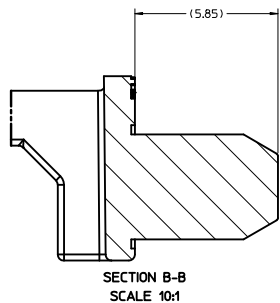
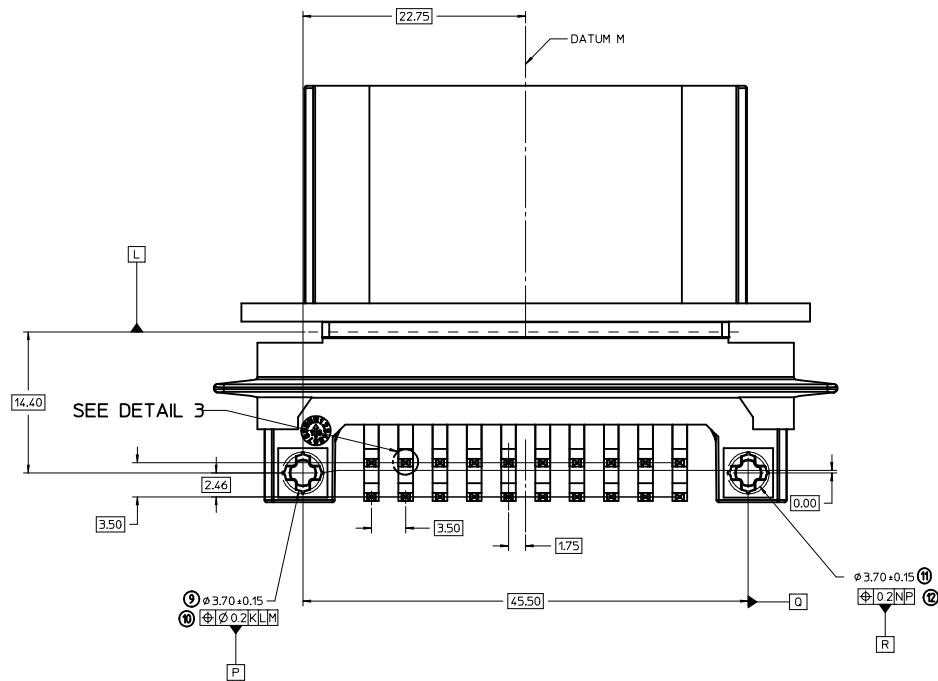
MATERIAL No.	DESCRIPTION	KEY CODING	COLOR	150 BLADE PLATING	STATUS
348292001	2x10 WAY EON	A	BLACK	Sn	DESIGN CONCEPT
348292002	2x10 WAY EON	B	LT GRAY	Sn	DESIGN CONCEPT
348292003	2x10 WAY EON	C	DK GRAY	Sn	DESIGN CONCEPT
348292004	2x10 WAY EON	D	BLACK	Sn	DESIGN CONCEPT
348302001	2x10 WAY SOLDERTAIL	A	BLACK	Sn	DESIGN RELEASE
348302002	2x10 WAY SOLDERTAIL	B	LT GRAY	Sn	DESIGN RELEASE
348302003	2x10 WAY SOLDERTAIL	C	DK GRAY	Sn	DESIGN RELEASE
348302004	2x10 WAY SOLDERTAIL	D	BLACK	Sn	DESIGN RELEASE
348302005	2x10 WAY SOLDERTAIL	A	NATURAL	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) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	DRAWN BY LSONG05 CHECKED BY JLOHMAN APPROVED BY PBERG	DATE 2010/11/08 2010/11/08 2011/01/19	TITLE MX150 2X10 RIGHT ANGLE HEADER	MATERIAL NO. SD-34829-201	DOCUMENT NO.	SHEET NO. 2 OF 6

2x10 HEADER ASSEMBLY EON DESIGN



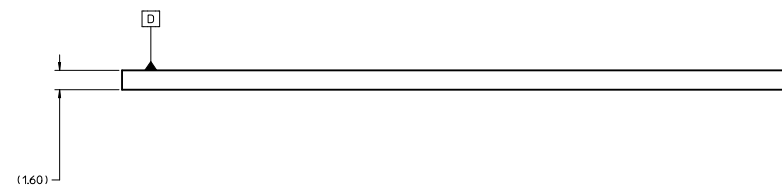
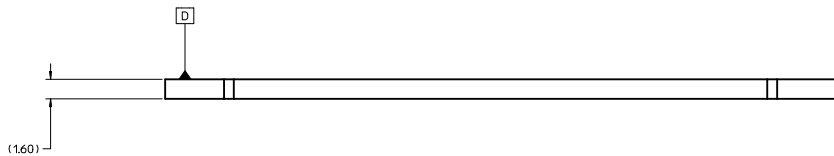
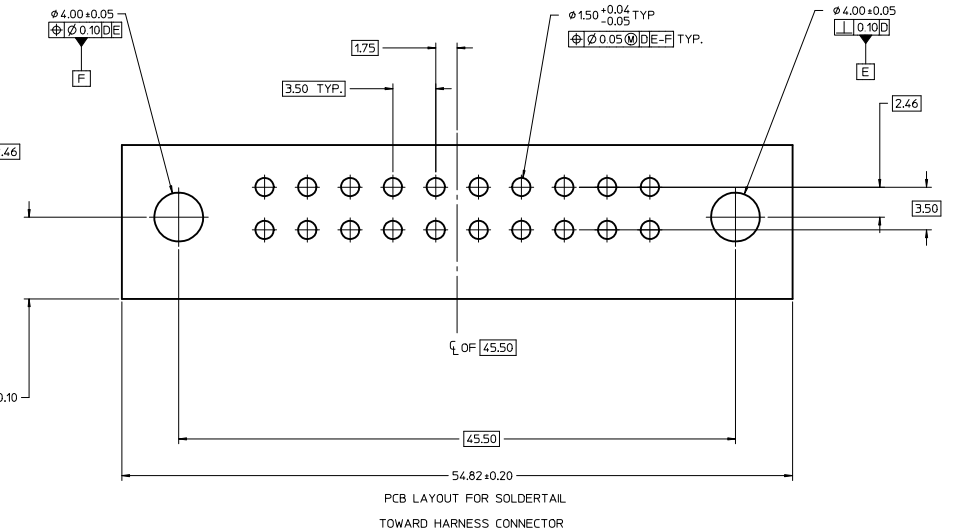
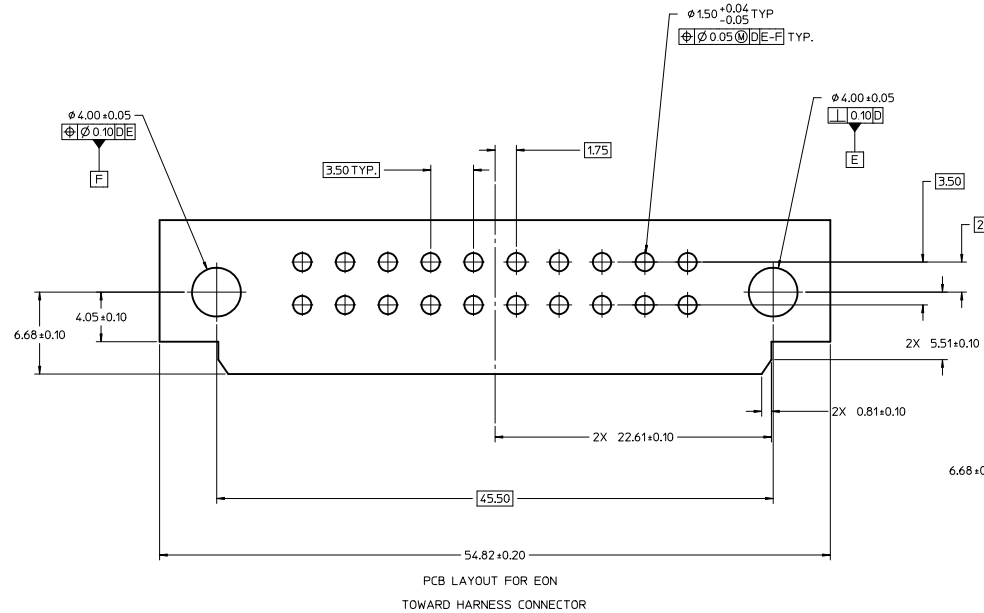
2x10 HEADER ASSEMBLY SOLDER-TAIL DESIGN



ENTER DESCRIPTION IEC NO: GCA2012-0002 DRAWN: SONG05 CHKD: CHYD APPR: PBERG DATE: 2011/10/12 REV: 2012/01/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION																
		<table><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>0.13</td><td>---</td></tr><tr><td>1 PLACE ±</td><td>0.25</td><td>---</td></tr></table>			mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.13	---	1 PLACE ±	0.25	---	DRAWN BY LSONG05		DATE 2010/11/08	TITLE MX150 2X10 RIGHT ANGLE HEADER  MOLEX INCORPORATED		
			mm	INCH																				
		4 PLACES ±	---	---																				
		3 PLACES ±	---	---																				
2 PLACES ±	0.13	---																						
1 PLACE ±	0.25	---																						
		CHECKED BY JL OHMAN		DATE 2010/11/08																				
		APPROVED BY PBERG		DATE 2011/01/19																				
		MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-34829-201																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 4 OF 6																

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

PCB INTERFACE
FOR REFERENCE ONLY



ENTER DESCRIPTION IEC NO: GCA2012-0002 DRAWN BY: LSONG05 CHKD: CHYD APPR: PBERG REV: A2	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				DRAWN BY LSONG05		DATE 2010/11/08	TITLE MX150 2X10 RIGHT ANGLE HEADER		
				CHECKED BY JLOHMAN		DATE 2010/11/08	 MOLEX INCORPORATED		
				APPROVED BY PBERG		DATE 2011/01/19			
				MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-34829-201			
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES ± 0.13 $\pm$ --- 1 PLACE ± 0.25 $\pm$ --- ANGULAR $\pm 3^\circ$				SHEET NO. 6 OF 6			