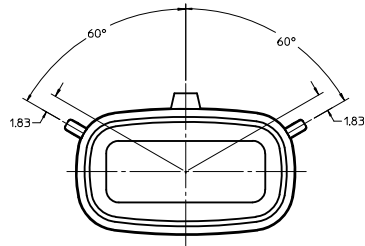
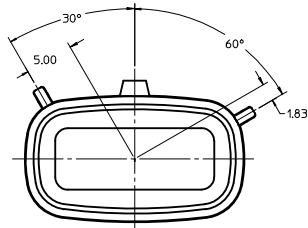


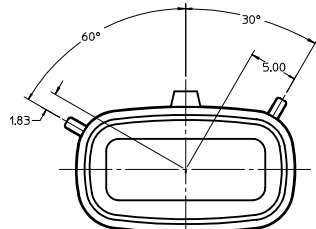
CUSTOMER SHROUD DESIGN DETAILS



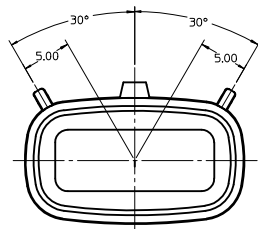
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



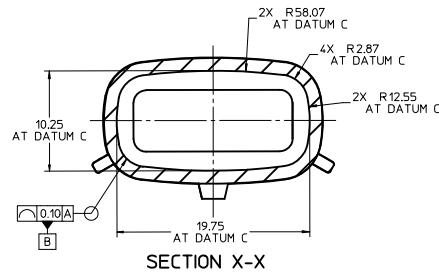
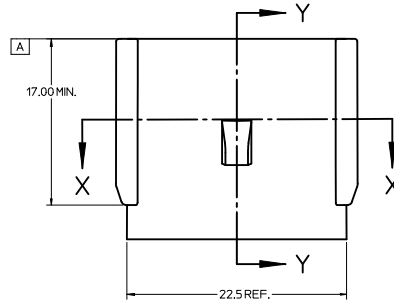
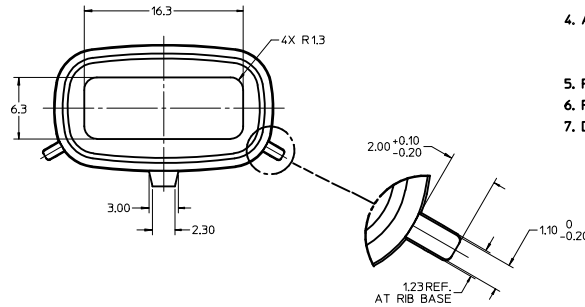
KEYING OPTION "B"
SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN

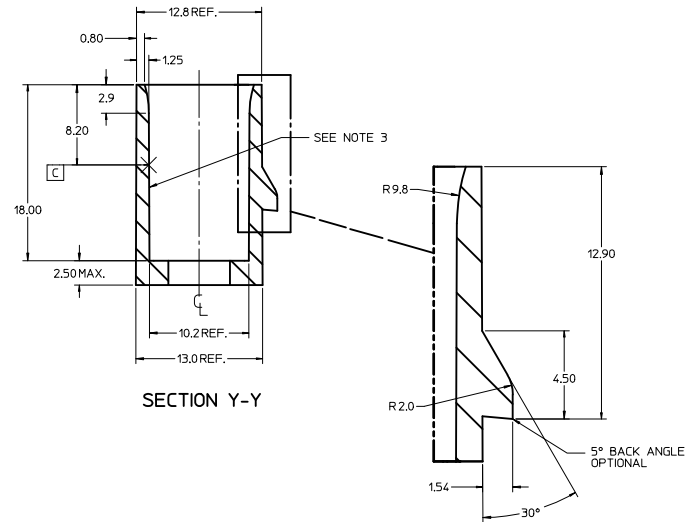


KEYING OPTION "D"
SUGGESTED COLOR: GREEN

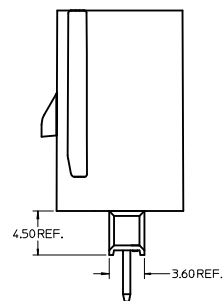
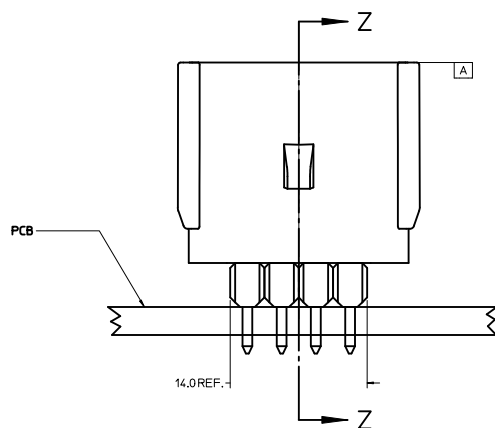
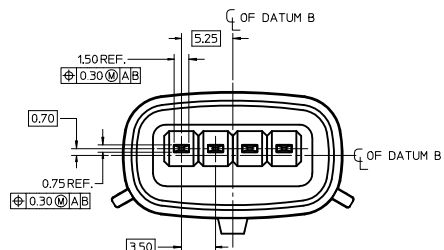


NOTES:

1. REFER TO MOLEX SALES DRAWING SD-75757-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND PARTING LINES ALL AROUND TO ENSURE PROPER SEALING OF THE MATING MX150 FEMALE CONNECTOR.
4. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THE HEADER SHROUD POLARIZATION FEATURES (OPTIONS A-D) WILL FUNCTION PROPERLY. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER CONTACTS.
5. PERMISSIBLE DRAFT ANGLE 0.25° MAXIMUM.
6. RADII ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADII 0.25 EXCEPT AS NOTED.
7. DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.



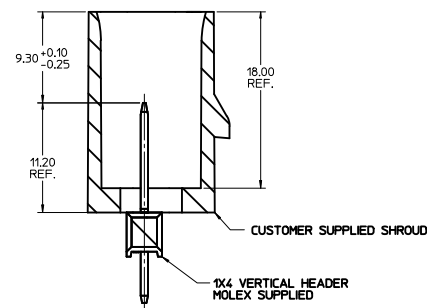
ADDED PLUG ASSY EC NO: UCP2011-2680 DRAWN BY: DRWNSRSCA CHKD: CHKD: APPR: COMERCL 2011/03/07 2011/03/07		QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION																												
			<table><tr><th></th><th>mm</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 ±0.10</td><td>±---</td><td>±---</td></tr><tr><td>1 PLACE ±0.2</td><td>±---</td><td>±---</td></tr></table>		mm	INCH	4 PLACES ±---	±---	±---	3 PLACES ±---	±---	±---	2 PLACES ±0.10	±---	±---	1 PLACE ±0.2	±---	±---	<table><tr><th>DRAWN BY</th><th>DATE</th></tr><tr><td>TMCCLELL</td><td>03/30/2006</td></tr></table>	DRAWN BY	DATE	TMCCLELL	03/30/2006	<table><tr><th>CHECKED BY</th><th>DATE</th></tr><tr><td>TMCCLELL</td><td>3/30/2006</td></tr></table>	CHECKED BY	DATE	TMCCLELL	3/30/2006	<table><tr><th>APPROVED BY</th><th>DATE</th></tr><tr><td>BANAKIS</td><td>3/31/2006</td></tr></table>	APPROVED BY	DATE	BANAKIS	3/31/2006	<table><tr><th>TITLE</th></tr><tr><td>APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS</td></tr></table>			TITLE
	mm	INCH																																			
4 PLACES ±---	±---	±---																																			
3 PLACES ±---	±---	±---																																			
2 PLACES ±0.10	±---	±---																																			
1 PLACE ±0.2	±---	±---																																			
DRAWN BY	DATE																																				
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CHECKED BY	DATE																																				
TMCCLELL	3/30/2006																																				
APPROVED BY	DATE																																				
BANAKIS	3/31/2006																																				
TITLE																																					
APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS																																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO. 75757-1040		DOCUMENT NO. AS-75757-104		SHEET NO. 1 OF 2																												
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																					



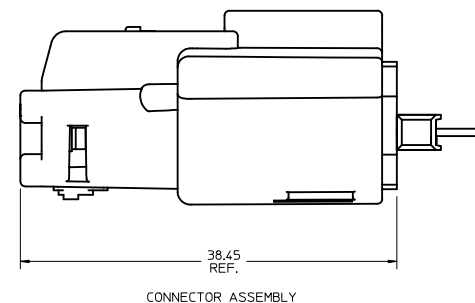
HEADER APPLICATION DETAILS

NOTES:

- ADHERENCE TO THE HEADER APPLICATION DETAILS IS IMPERATIVE TO ENSURE PROPER SHROUD SEALING AND CONTACT ALIGNMENT WHEN MATED WITH A MX150 FEMALE CONNECTOR.

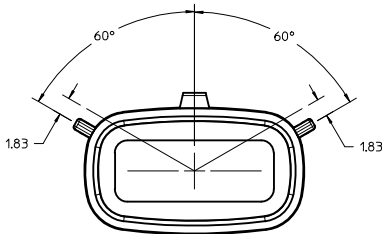


SECTION Z-Z

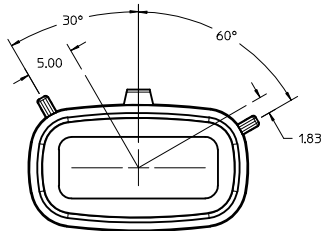


SEE SHEET 1 IEC NO: UCP2011-2680 DRAWN BY: DRWN:ROSICA CHKD: APPR: JOMERCL 2011/03/07	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
	▽=0 ▽=0		mm	INCH	DRAWN BY	DATE	TITLE	APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS	
		4 PLACES	± ---	± ---	TMCLELL	03/30/2006	 MOLEX INCORPORATED		
		3 PLACES	± ---	± ---	CHECKED BY	DATE			
		2 PLACES	± 0.10	± ---	TMCLELL	3/30/2006			
		1 PLACE	± 0.2	± ---	APPROVED BY	DATE			
				BANAKIS	3/31/2006				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		MATERIAL NO. 75757-1040		DOCUMENT NO. AS-75757-104		SHEET NO. 2 OF 2
		SIZE D							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

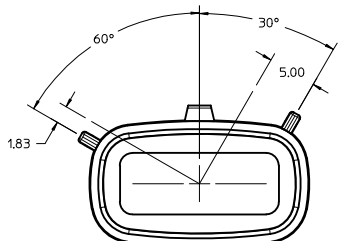
CUSTOMER SHROUD DESIGN DETAILS



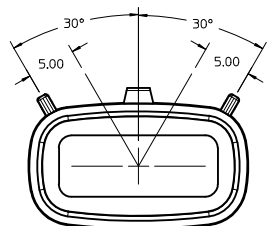
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



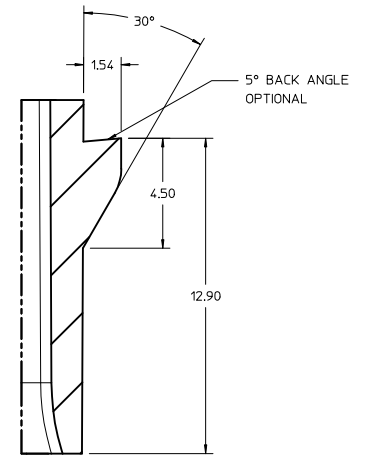
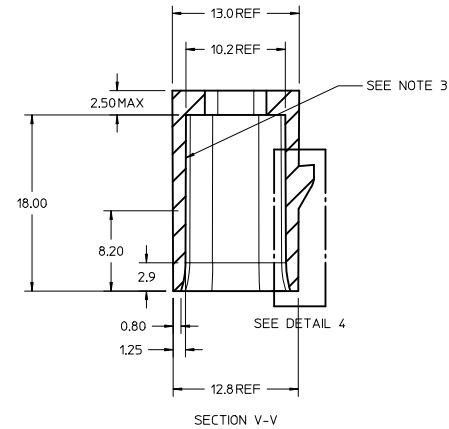
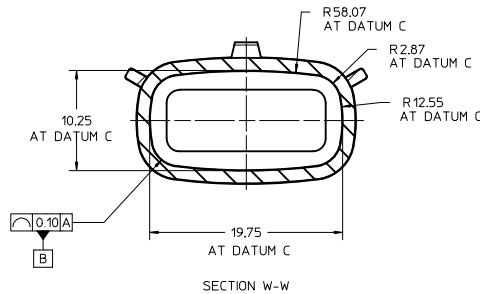
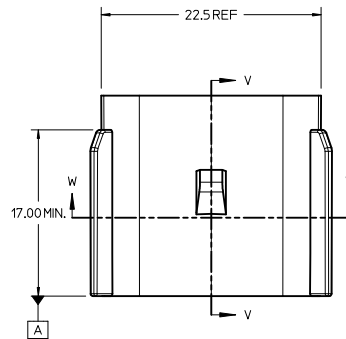
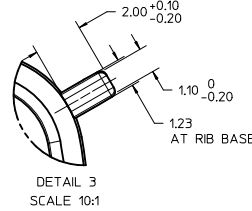
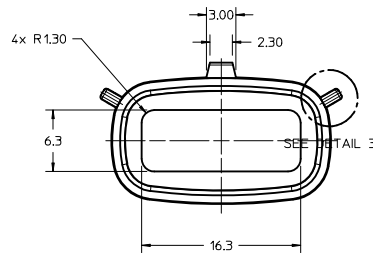
KEYING OPTION "B"
SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN



KEYING OPTION "D"
SUGGESTED COLOR: GREEN

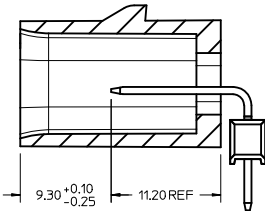
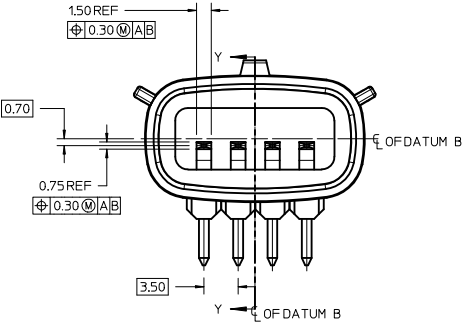


NOTES:

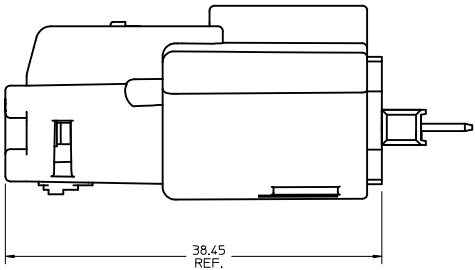
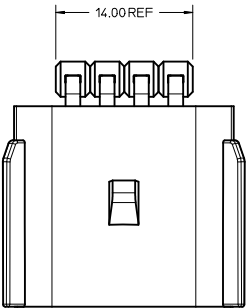
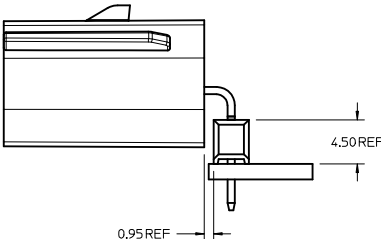
1. REFER TO MOLEX SALES DRAWING SD-75900-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND PARTING LINES ALL AROUND TO ENSURE PROPER SEALING OF THE MATING MX150 FEMALE CONNECTOR.
4. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THE HEADER SHROUD POLARIZATION FEATURES (OPTIONS A-D) WILL FUNCTION PROPERLY. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER CONTACTS.
5. PERMISSIBLE DRAFT ANGLE 0.25° MAXIMUM.
6. RADII ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADII 0.25 EXCEPT AS NOTED.
7. DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.

INITIAL RELEASE EC NO: UCP2011-3372 DRAWN BY: DROSCA CHECKED BY: JCOMERC I APPR: JCOMERC I DATE: 2011/06/17 DATE: 2011/06/17 DATE: 2011/06/17	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
				DRAWN BY DATE DROSCA 2011/06/17		TITLE APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS					
				CHECKED BY DATE JCOMERC I 2011/06/17							
				APPROVED BY DATE JCOMERC I 2011/06/17		molex MOLEX INCORPORATED					
				MATERIAL NO. 759001040		DOCUMENT NO. AS-75900-104				SHEET NO. 1 OF 2	
				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									

HEADER APPLICATION DETAILS



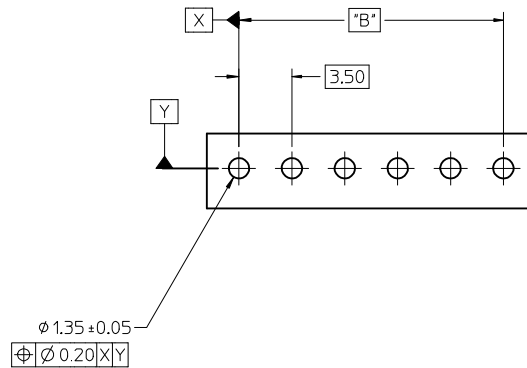
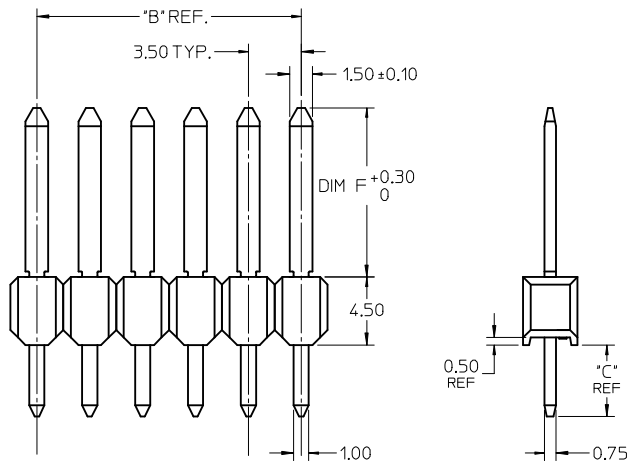
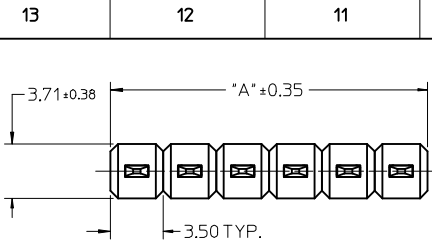
SECTION Y-Y



CONNECTOR ASSEMBLY

NOTES:
1. ADHERENCE TO THE HEADER APPLICATION DETAILS IS IMPERATIVE TO ENSURE PROPER SHROUD SEALING AND CONTACT ALIGNMENT WHEN MATED WITH A MX150 FEMALE CONNECTOR.

SEE SHEET 1 EC NO. UCP2011-3372 DRAWN BY: DROSCA CHECKED BY: JCOMERCI APPR. JCOMERCI	REV 1	DESCRIPTION 2011/06/17 2011/06/17 2011/06/17	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS MOLEX INCORPORATED		
				mm		INCH						DRAWN BY DATE	
				4 PLACES ± ---		± ---						DROSCA 2011/06/17	
				3 PLACES ± ---		± ---						CHECKED BY DATE	
				2 PLACES ± 0.10		± ---						JCOMERCI 2011/06/17	
				1 PLACE ± 0.2		± ---						APPROVED BY DATE	
												JCOMERCI 2011/06/17	
				ANGULAR ± 1/2°								MATERIAL NO.	
												DOCUMENT NO.	
												SEE SHEET 1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				AS-75900-104		SHEET NO. 2 OF 2							
				SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



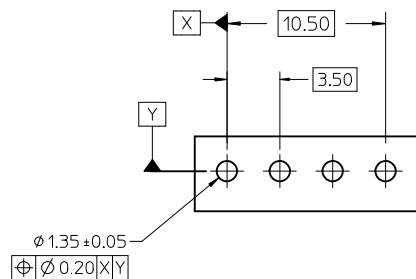
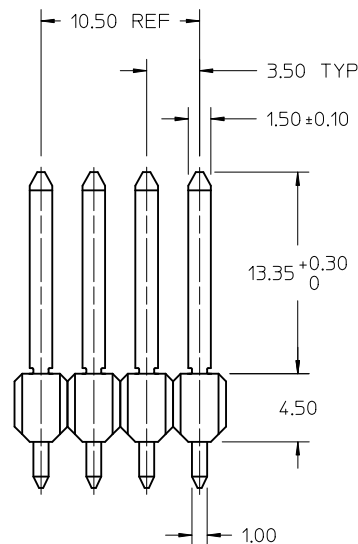
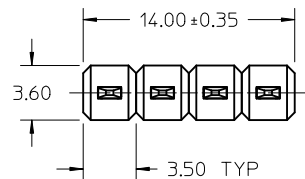
RECOMMENDED PCB LAYOUT

NOTES:

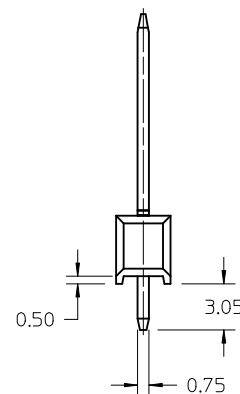
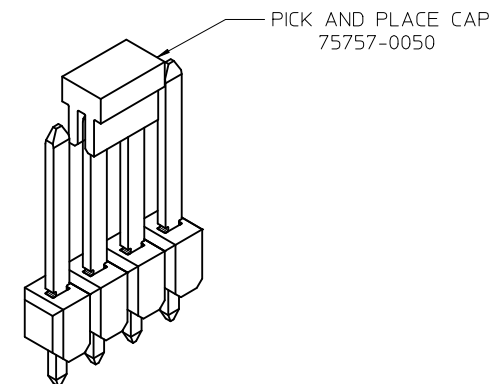
1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING:
 - OPTION 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.50µm MIN. NICKEL OVERALL
 - OPTION 2 - 1.50µm MIN. NICKEL OVERALL 4.00µm MIN SELECT MATTE TIN PC TAIL AREA 0.05µm MIN SELECT GOLD CONTACT AREA
 - OPTION 3 - 1.50µm MIN. NICKEL OVERALL 4.00µm MIN SELECT MATTE TIN PC TAIL AREA 0.50µm MIN. SELECT GOLD CONTACT AREA
 - OPTION 4 - 1.5µm MIN MATTE TIN OVERALL OVER 1.50µm MIN. NICKEL OVERALL
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-36518-342.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.
6. EXCEPT 75757-0134 REST OF THE PART NUMBERS ARE NOT TOOLED.

CKT SIZE	PLATING OPTION	TOOLED		'F' DIM	'C' DIM	TOOLED		'F' DIM	'C' DIM	TOOLED		'F' DIM	'C' DIM	SEE OPTION 6		STATUS	
		MATERIAL NUMBER				MATERIAL NUMBER				MATERIAL NUMBER				MATERIAL NUMBER			
1 x 2	1	75757-0121				75757-0122				75757-0123				75757-0124		7	3.5
	2	75757-0221				75757-0222				75757-0223				75757-0224			
	3	75757-0321				75757-0322				75757-0323				75757-0324			
	4	75757-0421				75757-0422				75757-0423				75757-0424			
1 x 3	1	75757-0131				75757-0132				75757-0133				75757-0134		10.5	7.00
	2	75757-0231				75757-0232				75757-0233				75757-0234			
	3	75757-0331				75757-0332				75757-0333				75757-0334			
	4	75757-0431				75757-0432				75757-0433				75757-0434			
1 x 4	1	75757-0141				75757-0142				75757-0143				75757-0144		14.0	10.50
	2	75757-0241				75757-0242				75757-0243				75757-0244			
	3	75757-0341				75757-0342				75757-0343				75757-0344			
	4	75757-0441				75757-0442				75757-0443				75757-0444			
1 x 5	1	75757-0151				75757-0152				75757-0153				75757-0154		17.5	14.00
	2	75757-0251				75757-0252				75757-0253				75757-0254			
	3	75757-0351				75757-0352				75757-0353				75757-0354			
	4	75757-0451				75757-0452				75757-0453				75757-0454			
1 x 6	1	75757-0161				75757-0162				75757-0163				75757-0164		21.0	17.50
	2	75757-0261				75757-0262				75757-0263				75757-0264			
	3	75757-0361				75757-0362				75757-0363				75757-0364			
	4	75757-0461				75757-0462				75757-0463				75757-0464			

DIMENSIONS UPDATED EC NO: I2013-0140 2013/01/10 DRWN:BM01 CHKD: APPR:KPRASAD 2013/05/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY TMCCLELL	DATE 1/24/06	TITLE MX150 SINGLE ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	TMCCLELL	1/24/06					
			2 PLACES	± 0.13	± ---	APPROVED BY	DATE	MOLEX INCORPORATED				
			1 PLACE	± 0.25	± ---	BANAKIS	1/24/06					
			ANGULAR ± 1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-75757-010		1 OF 1		
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



RECOMMENDED PCB LAYOUT



NOTES:

1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING: 15µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-75757-9910.
5. COMPLIES WITH USCAR 1.5mm TERMINAL BLADE SPECIFICATION.

INITIAL RELEASE EC NO: UCP2012-3329 DRWN: DROSCA 2012/04/13 CHKD: DROSCA 2012/04/16 APPR: JCOMERC I 2012/05/09 REV 1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
						DRAWN BY DROSCA	DATE 2012/04/13	TITLE MX150 SINGLE ROW 1X4 VERTICAL HEADER ASSEMBLY					
						CHECKED BY DROSCA	DATE 2012/04/16						
						APPROVED BY JCOMERC I	DATE 2012/05/09	 MOLEX INCORPORATED					
						MATERIAL NO. 757570444		DOCUMENT NO. SD-75757-0444		SHEET NO. 1 OF 1			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					