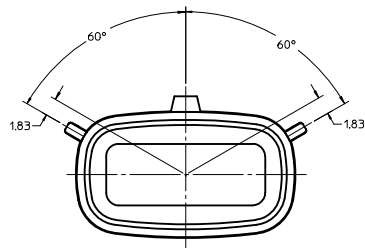
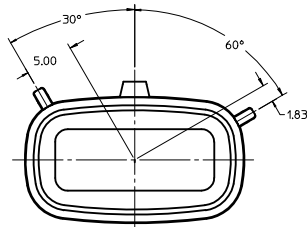


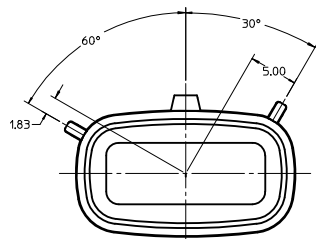
CUSTOMER SHROUD DESIGN DETAILS



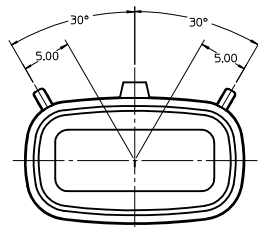
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SUGGESTED COLOR: BLACK



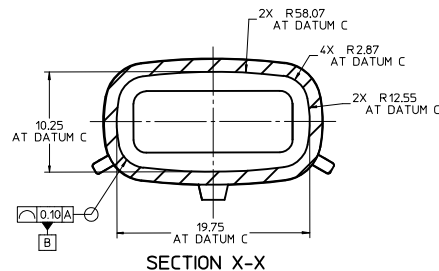
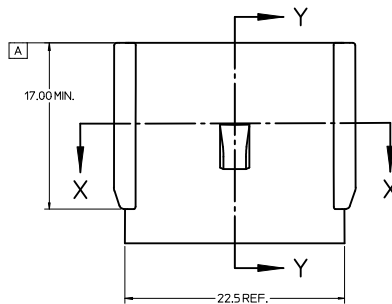
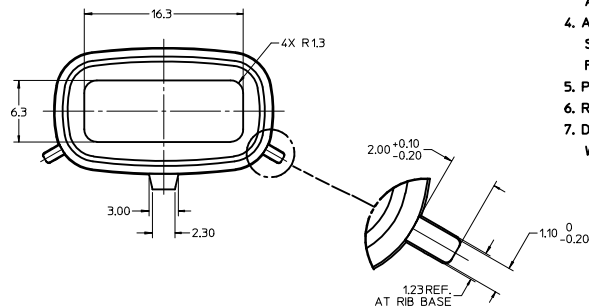
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SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN

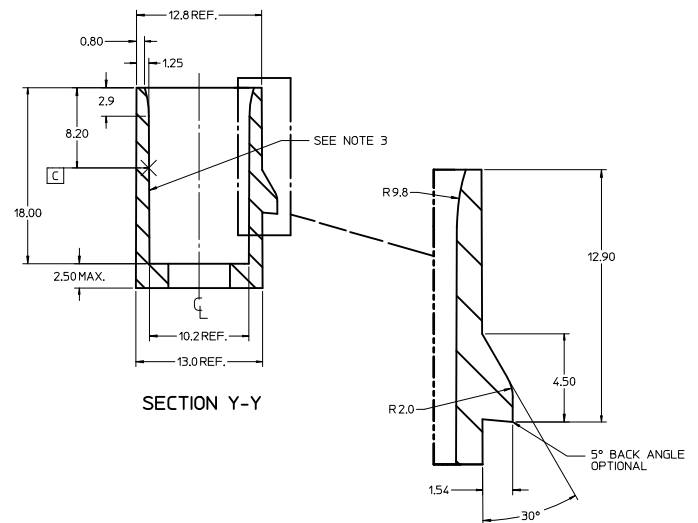


KEYING OPTION "D"
SUGGESTED COLOR: GREEN

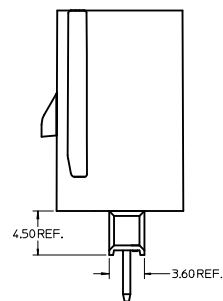
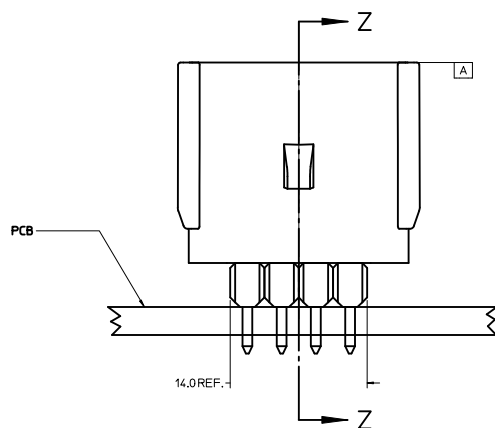
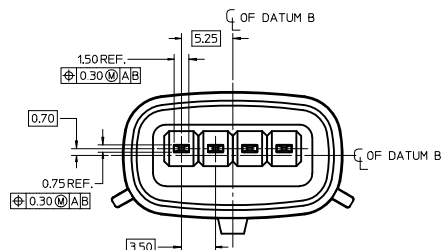


NOTES:

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.



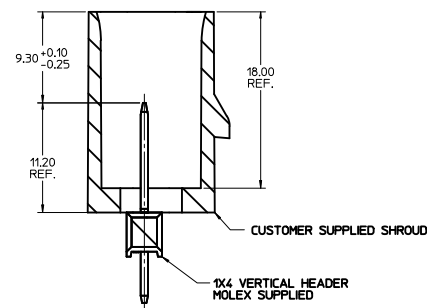
ADDED PLUG ASSY EC NO: UCP2011-2680 DRAWN BY: DRWNSGROSCA CHKD: CHKD: APPR: COMERCL 2011/03/07 2011/03/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		4:1	METRIC			
				DRAWN BY DATE		TITLE				
		4 PLACES ±---		TMCCLLELL 03/30/2006		APPLICATION SPEC				
		3 PLACES ±---		CHECKED BY DATE		1X4 MX150 HEADER				
2 PLACES ±0.10		TMCCLLELL 3/30/2006		SHROUD DETAILS						
1 PLACE ±0.2		APPROVED BY DATE		MOLEX INCORPORATED						
ANGULAR ±1/2°		BANAKIS 3/31/2006		MOLEX INCORPORATED						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 75757-1040		DOCUMENT NO. AS-75757-104		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						



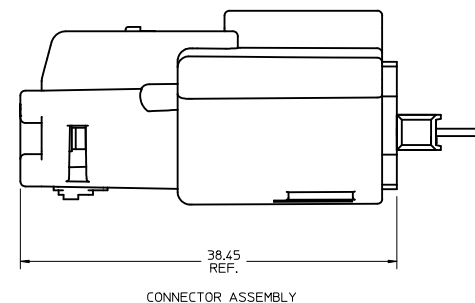
HEADER APPLICATION DETAILS

NOTES:

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

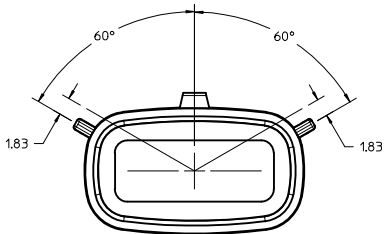


SECTION Z-Z

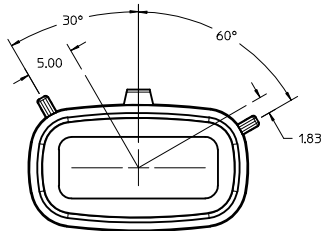


SEE SHEET 1 IEC NO: UCP2011-2680 DRAWN BY: DRWN:ROSICA CHKD: APPR: JOMERCL 2011/03/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY	DATE	TITLE	APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS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

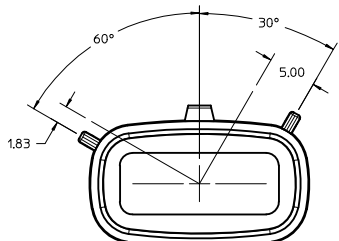
CUSTOMER SHROUD DESIGN DETAILS



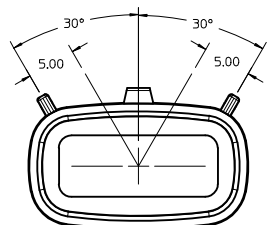
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



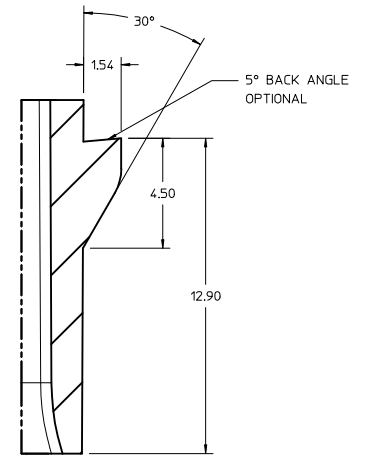
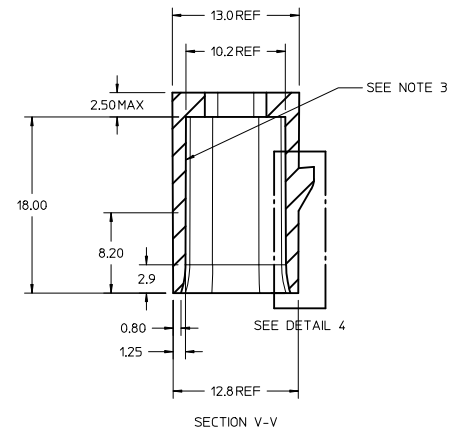
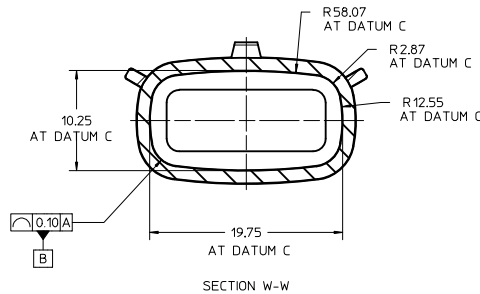
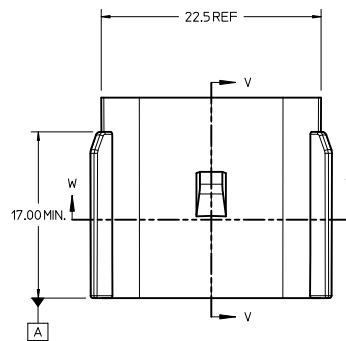
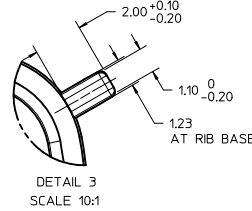
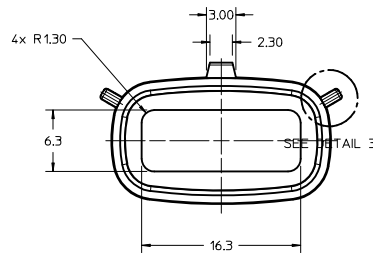
KEYING OPTION "B"
SUGGESTED COLOR: GREY



KEYING OPTION "C"
SUGGESTED COLOR: BROWN



KEYING OPTION "D"
SUGGESTED COLOR: GREEN

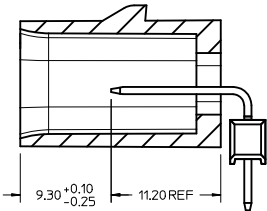
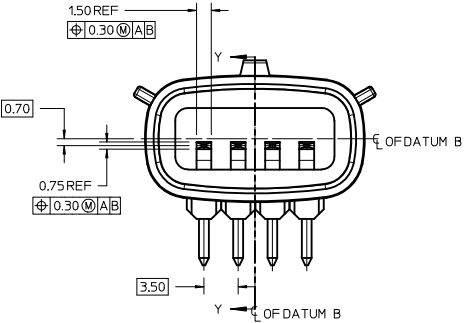


NOTES:

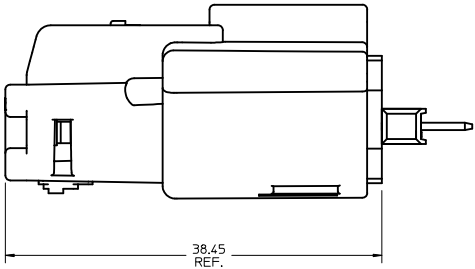
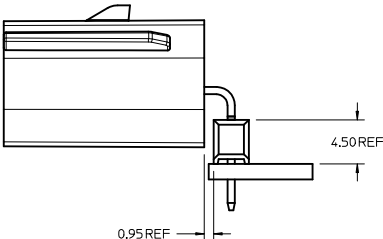
1. REFER TO MOLEX SALES DRAWING SD-75900-002 FOR THE HEADER ASSEMBLY PRODUCT DETAILS AND RECOMMENDED PCB LAYOUT.
2. KEYING OPTIONS A-D AND SUGGESTED COLORS COMPLY TO THE POLARIZATION STANDARDS ESTABLISHED FOR MATING WITH A MX150 FEMALE CONNECTOR.
3. INTERIOR SHROUD SURFACE MUST BE FREE OF DEFECTS AND 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			
				mm	INCH	DRAWN BY	DATE	TITLE	APPLICATION SPEC 1X4 MX150 HEADER SHROUD DETAILS				
		4 PLACES ± ---		± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED					
		3 PLACES ± ---		± ---	± ---	APPROVED BY	DATE						
		2 PLACES ± 0.10		± 0.10	± 0.10	JCOMERC I	2011/06/17						
		1 PLACE ± 0.2		± 0.2	± 0.2								
				ANGULAR ± 1/2°									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

HEADER APPLICATION DETAILS



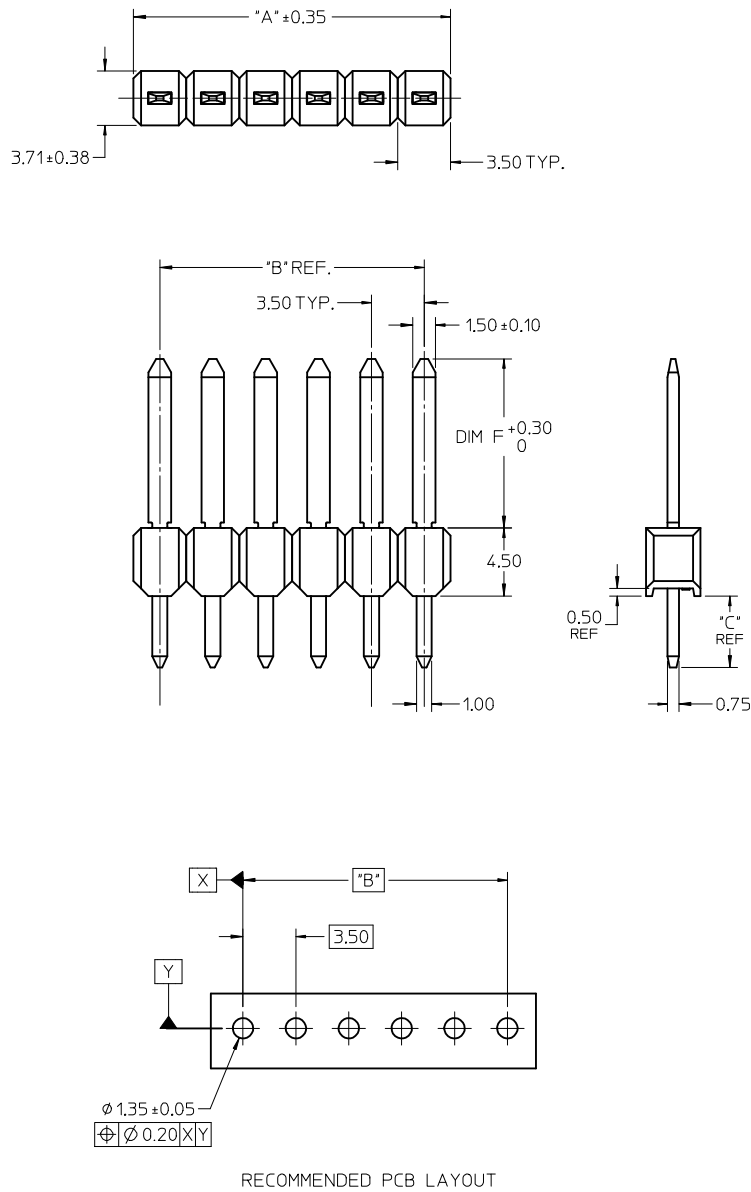
SECTION Y-Y



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
DRAWN BY DATE DROSCA 2011/06/17				TITLE							
CHECKED BY DATE JCOMERCI 2011/06/17				MOLEX INCORPORATED							
APPROVED BY DATE JCOMERCI 2011/06/17											
MATERIAL NO. DOCUMENT NO.											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET 1 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							



- 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. MAXIMUM SKIVING ALLOWED: 1mm.
 7. MAXIMUM CUT-OFF BURR ALLOWED: 0.30mm.
 8. MAXIMUM DIG MARK ALLOWED: 0.45mm.

		TOOLED			TOOLED			TOOLED			TOOLED			STATUS		
1 x 2	1	75757-0121	11.20	3.05	75757-0122	11.20	4.75	75757-0123	16.09	3.05	75757-0124	13.35	3.05	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	11.20	3.05	75757-0132	11.20	4.75	75757-0133	16.09	3.05	75757-0134	13.35	3.05	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	11.20	3.05	75757-0142	11.20	4.75	75757-0143	16.09	3.05	75757-0144	13.35	3.05	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	11.20	3.05	75757-0152	11.20	4.75	75757-0153	16.09	3.05	75757-0154	13.35	3.05	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	11.20	3.05	75757-0162	11.20	4.75	75757-0163	16.09	3.05	75757-0164	13.35	3.05	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					
CKT SIZE		PLATING OPTION	MATERIAL NUMBER	*F* DIM	*C* DIM	MATERIAL NUMBER	*F* DIM	*C* DIM	MATERIAL NUMBER	*F* DIM	*C* DIM	MATERIAL NUMBER	*F* DIM	*C* DIM	*A* DIM	*B* DIM

DIMENSIONS UPDATED

EC NO: I2014-0080

DRWN:BR02

CHKD:

APPR:KPRASAD

2013/11/22

2013/11/25

QUALITY SYMBOLS

REVISION

GENERAL TOLERANCES (UNLESS SPECIFIED)

mmINCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.13 ± ---

1 PLACE ± 0.25 ± ---

ANGULAR ± 1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE CHART

SIZE

C

SCALE

4:1

DESIGN UNITS

METRIC

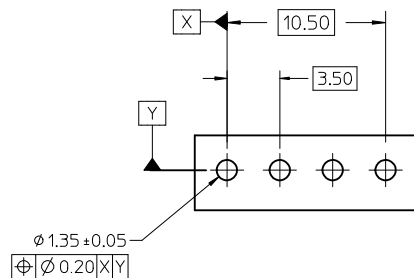
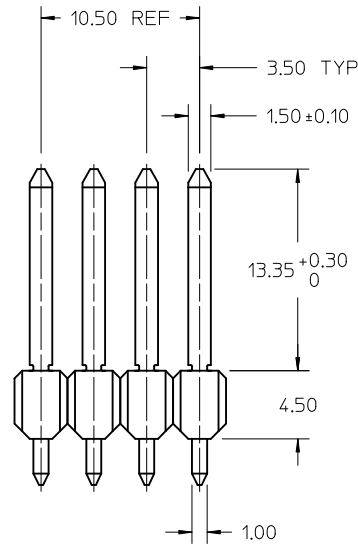
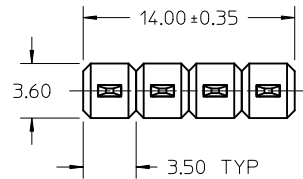
THIRD ANGLE PROJECTION

MX150 SINGLE ROW BREAK-AWAY VERTICAL HEADER ASSEMBLY

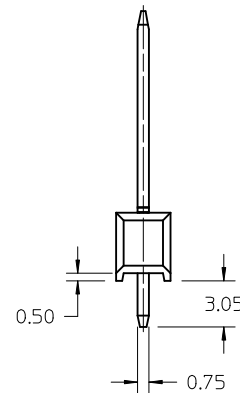
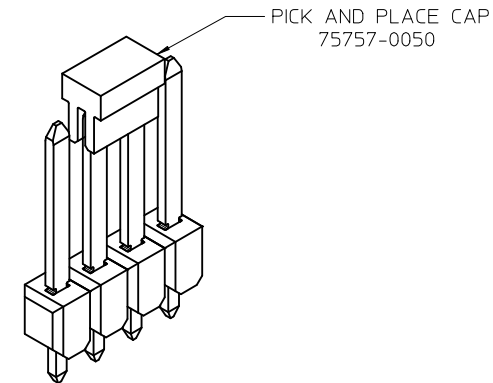
MOLEX INCORPORATED

SD-75757-010

1 OF 1



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: JCOMERCI 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 DATE DROSCA 2012/04/13		TITLE MX150 SINGLE ROW 1X4 VERTICAL HEADER ASSEMBLY			
						CHECKED BY DATE DROSCA 2012/04/16					
						APPROVED BY DATE JCOMERCI 2012/05/09		MOLEX MOLEX INCORPORATED 			
						MATERIAL NO. 757570444					
				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			

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