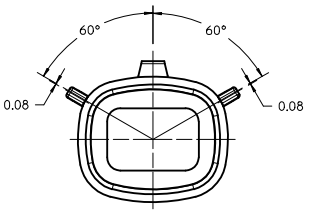
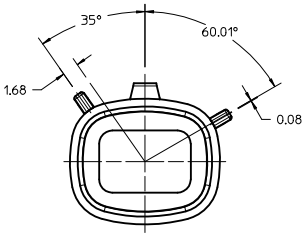
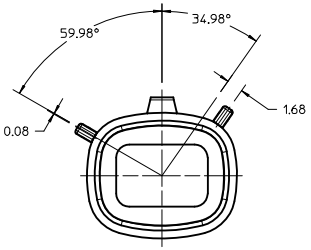
CUSTOMER SHROUD DESIGN DETAILS



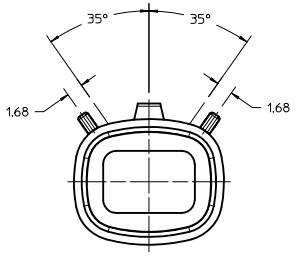
KEYING OPTION "A"
SUGGESTED COLOR: BLACK



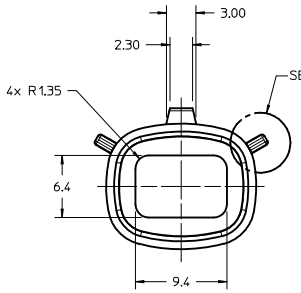
KEYING OPTION "B"
SUGGESTED COLOR: GREY

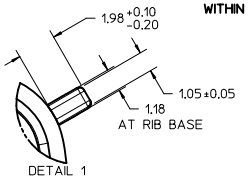


KEYING OPTION "C"
SUGGESTED COLOR: BROWN

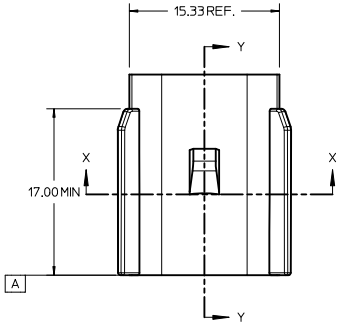


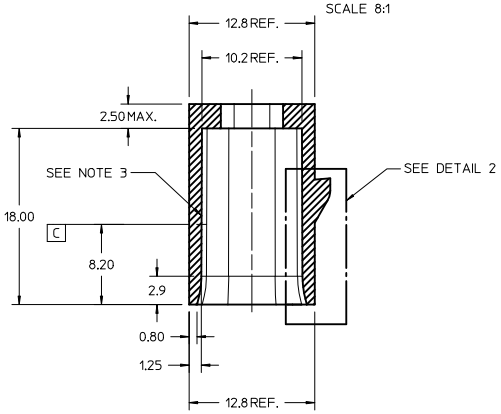
KEYING OPTION "D"
SUGGESTED COLOR: GREEN



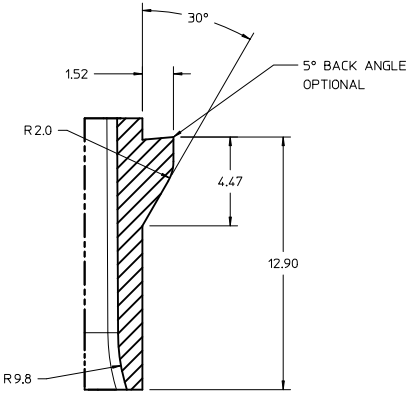


DETAIL 1
SCALE 8:1

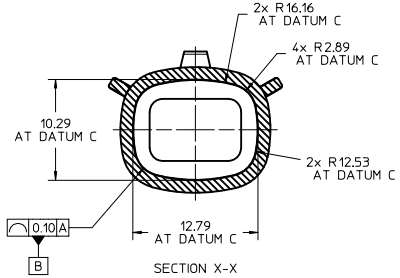




SECTION Y-Y



DETAIL 2
SCALE 8:1



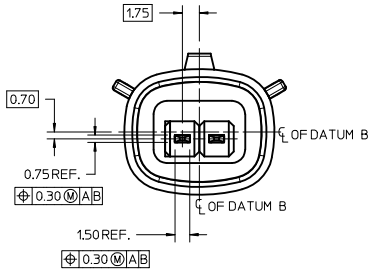
SECTION X-X

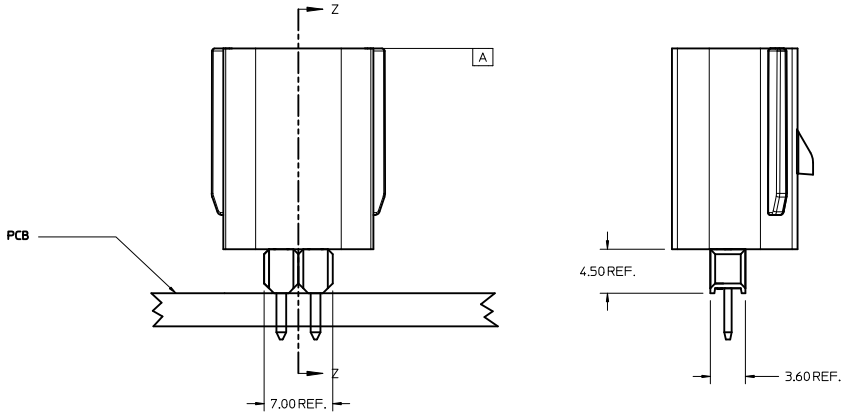
NOTES:

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.

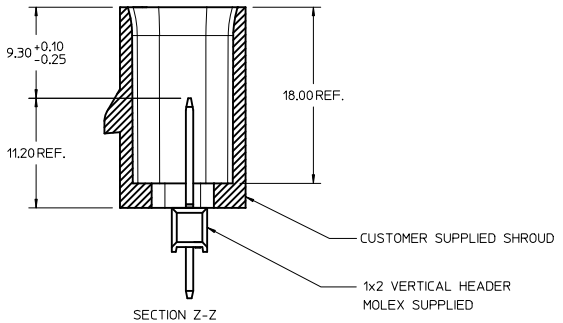
INITIAL RELEASE EC NO: UCP2011-2687 DRWN: DROSCA 2011/03/04 CHKD: APPR: JCOMERCI 2011/03/11	DESCRIPTION	REV	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.13 / ± --- 1 PLACE ± 0.25 / ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: DROSCA DATE: 2011/03/04 CHECKED BY: DATE: APPROVED BY: JCOMERCI DATE: 2011/03/11 MATERIAL NO.: 75757-1020 SIZE: D	SCALE: 4:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: APPLICATION SPEC 1X2 MX150 HEADER SHROUD DETAILS MOLEX INCORPORATED DOCUMENT NO.: AS-75757-102 SHEET NO.: 1 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

tb_frame_D_P_AM_T
Rev. D 2004/06/28

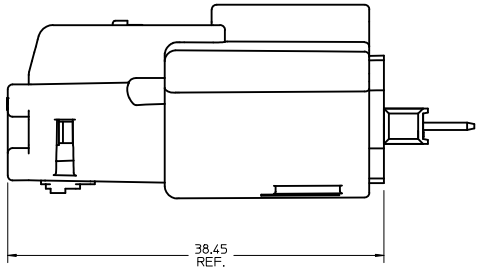




NOTES:
1. ADHERENCE TO THE HEADER APPLICATION DETAILS IS IMPERATIVE TO ENSURE PROPER SHROUD SEALING AND CONTACT ALIGNMENT WHEN MATED WITH A MX150 FEMALE CONNECTOR.



SECTION Z-Z

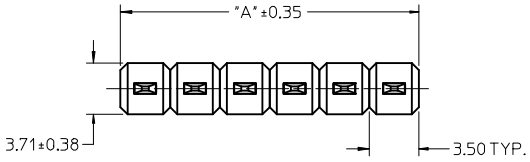


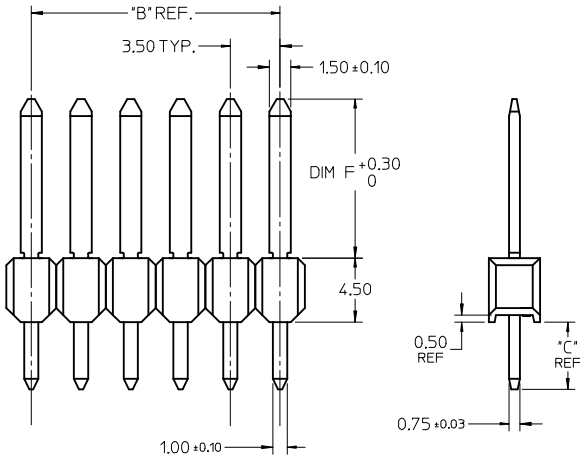
CONNECTOR ASSEMBLY

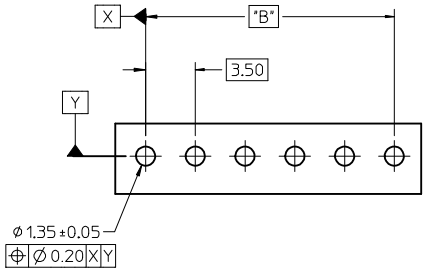
HEADER APPLICATION DETAILS

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
EC NO: UCP2011-2687 2011/03/04	▼=0		mm / INCH	MM ONLY	4:1	METRIC			
DRWN: DROSCA	▽=0	4 PLACES	± --- / ± ---	DRAWN BY DROSCA DATE 2011/03/04	TITLE: APPLICATION SPEC 1X2 MX150 HEADER SHROUD DETAILS				
CHKD:		3 PLACES	± --- / ± ---	CHECKED BY DATE					
APPR: JCOMERCI 2011/03/11		2 PLACES	± 0.13 / ± ---	APPROVED BY JCOMERCI DATE 2011/03/11	molex MOLEX INCORPORATED				
DESCRIPTION		1 PLACE	± 0.25 / ± ---	MATERIAL NO. 75757-1020	DOCUMENT NO. AS-75757-102			SHEET NO. 2 OF 2	
REV 1		ANGULAR ±1/2°		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							

tb_frame_D_P_AM_T
Rev. D 2004/06/28







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. MAXIMUM SKIVING ALLOWED: 1mm.
6. MAXIMUM CUT-OFF BURR ALLOWED: 0.30mm.
7. 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			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				
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

USCAR NOTE REMOVED
EC NO: I2015-0177
DRWN:GES 2015/06/15
CHKD:BR02 2015/07/02
APPR:KPRASAD 2015/07/21
DESCRIPTION
REV K

QUALITY SYMBOLS
$\overline{E_A}$=0
$\overline{E_F}$=0
$\overline{E_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

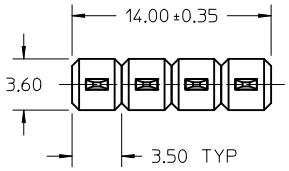
DRAWN BY: TMCCLELL DATE: 1/24/06
CHECKED BY: TMCCLELL DATE: 1/24/06
APPROVED BY: BANAKIS DATE: 1/24/06

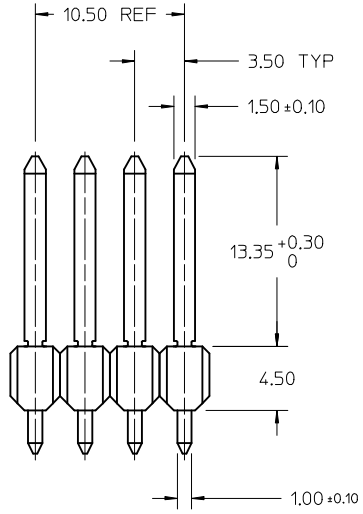
TITLE: MX150 SINGLE ROW UNSHROUDED VERTICAL HEADER ASSEMBLY

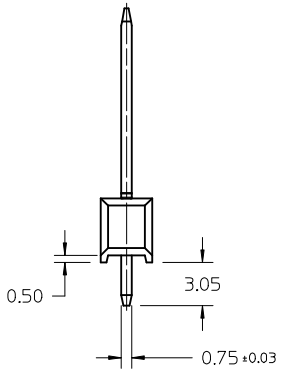
molex

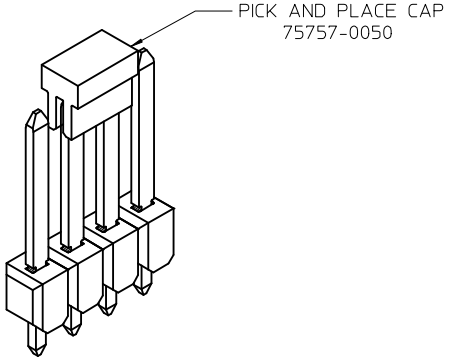
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75757-010
SHEET NO.: 1 OF 1
SIZE: A2

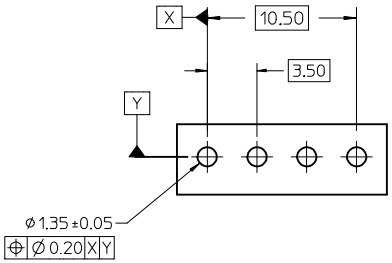
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION











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: 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-75757-9910.

USCAR NOTE REMOVED
EC NO: 12015-0177
DRWN:GES 2015/06/17
CHKD:BR02 2015/07/02
APPR:KPRASAD 2015/07/21
DESCRIPTION
REV A

QUALITY SYMBOLS
E=0
E=0
E=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DROSCA DATE: 2012/04/13
CHECKED BY: DROSCA DATE: 2012/04/16
APPROVED BY: JCOMERCI DATE: 2012/05/09

TITLE: MX150 SINGLE ROW 1X4 VERTICAL HEADER ASSEMBLY

molex

MATERIAL NO.: 757570444
DOCUMENT NO.: SD-75757-0444
SHEET NO.: 1 OF 1
SIZE: A2

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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http://moschip.ru/get-element

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

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