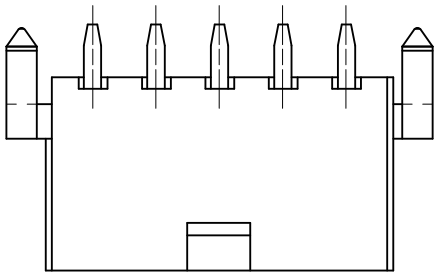
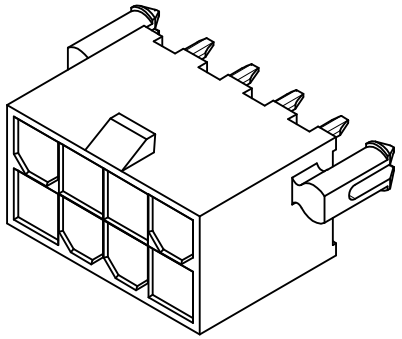
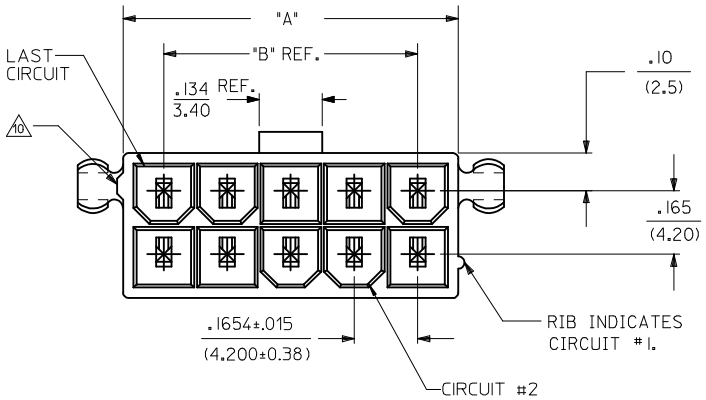
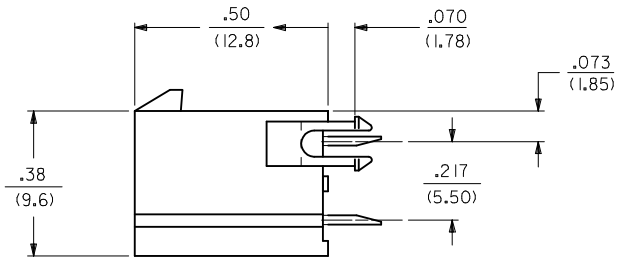


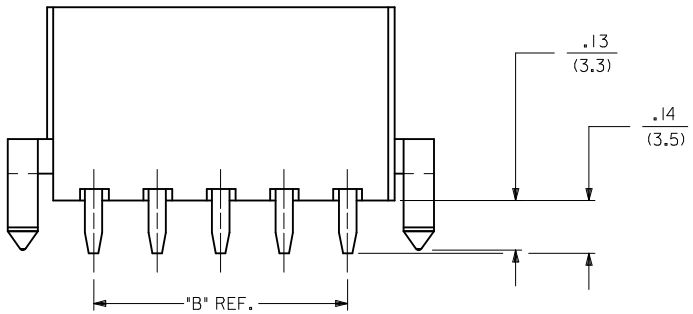


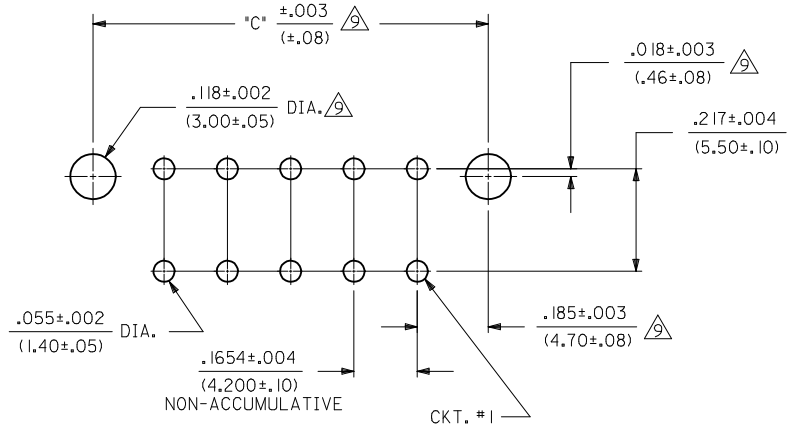
8 CKT SHOWN

CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"
2	.21 (5.4)	—	.370 (9.40)
4	.38 (9.6)	.17 (4.2)	.535 (13.60)
6	.54 (13.8)	.33 (8.4)	.701 (17.80)
8	.71 (18.0)	.50 (12.6)	.866 (22.00)
10	.87 (22.2)	.66 (16.8)	1.031 (26.20)
12	1.04 (26.4)	.83 (21.0)	1.197 (30.40)
14	1.20 (30.6)	.99 (25.2)	1.362 (34.60)
16	1.37 (34.8)	1.16 (29.4)	1.528 (38.80)
18	1.54 (39.0)	1.32 (33.6)	1.693 (43.00)
20	1.70 (43.2)	1.49 (37.8)	1.858 (47.20)
22	1.87 (47.4)	1.65 (42.0)	2.024 (51.40)
24	2.03 (51.6)	1.82 (46.2)	2.189 (55.60)









RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P. C. BOARD

VIEWED FROM COMPONENT SIDE

172447 - * * **

PLATING
SEE NOTE 2
0 = TIN
1 = GOLD

ASSEMBLY TYPE
0 = DUAL ROW W/ PEGS (BLACK)
1 = DUAL ROW W/ PEGS (BEIGE)
2 = DUAL ROW W/O PEGS (BLACK)

CIRCUIT SIZE

ADD NAT P/N'S
EC NO: UCP2016-0359 2015/07/24
DRWN: JDFOX 2015/07/24
CHKD: JBELL 2015/08/14
APPR: FSMITH
DESCRIPTION
REV
A1

QUALITY SYMBOLS
E =0
F =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .015
2 PLACES	± 0.38	± .020
1 PLACE	± 0.50	± ---
0 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	NNGUYEN	2014/04/22
CHECKED BY	JBELL	2014/04/22
APPROVED BY	FSMITH	2014/05/16

TITLE: MINI-FIT VERT HDR ASSY W & W/O PEGS DUAL ROW

molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-172447-0000
SHEET NO.: 1 OF 2

SIZE C

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

TOOLED	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	COLOR
YES	172447-0002	2	WITH PEGS	TIN	BLACK
YES	172447-0004	4			
YES	172447-0006	6			
YES	172447-0008	8			
YES	172447-0010	10			
YES	172447-0012	12			
NO	172447-0014	14			
NO	172447-0016	16			
NO	172447-0018	18			
NO	172447-0020	20			
NO	172447-0022	22			
NO	172447-0024	24			

TOOLED	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	COLOR
YES	172447-0202	2	WITHOUT PEGS	TIN	BLACK
YES	172447-0204	4			
YES	172447-0206	6			
YES	172447-0208	8			
YES	172447-0210	10			
YES	172447-0212	12			
YES	172447-0214	14			
YES	172447-0216	16			
NO	172447-0218	18			
NO	172447-0220	20			
NO	172447-0222	22			
NO	172447-0224	24			

TOOLED	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	COLOR
YES	172447-1002	2	WITH PEGS	GOLD	BLACK
YES	172447-1004	4			
YES	172447-1006	6			
YES	172447-1008	8			
YES	172447-1010	10			
YES	172447-1012	12			
NO	172447-1014	14			
NO	172447-1016	16			
NO	172447-1018	18			
NO	172447-1020	20			
NO	172447-1022	22			
NO	172447-1024	24			

TOOLED	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	COLOR
YES	172447-1202	2	WITHOUT PEGS	GOLD	BLACK
YES	172447-1204	4			
YES	172447-1206	6			
YES	172447-1208	8			
YES	172447-1210	10			
YES	172447-1212	12			
YES	172447-1214	14			
YES	172447-1216	16			
NO	172447-1218	18			
NO	172447-1220	20			
NO	172447-1222	22			
NO	172447-1224	24			

TOOLED	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	COLOR
YES	172447-0102	2	WITH PEGS	TIN	BEIGE
YES	172447-0104	4			
YES	172447-0106	6			
YES	172447-0108	8			
YES	172447-0110	10			
YES	172447-0112	12			
NO	172447-0114	14			
NO	172447-0116	16			
NO	172447-0118	18			
NO	172447-0120	20			
NO	172447-0122	22			
NO	172447-0124	24			

TOOLED	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	COLOR
YES	172447-1102	2	WITH PEGS	GOLD	BEIGE
YES	172447-1104	4			
YES	172447-1106	6			
YES	172447-1108	8			
YES	172447-1110	10			
YES	172447-1112	12			
NO	172447-1114	14			
NO	172447-1116	16			
NO	172447-1118	18			
NO	172447-1120	20			
NO	172447-1122	22			
NO	172447-1124	24			

NOTES:
1. MATERIALS:
   HOUSING:
   NYLON, UL94 V-2, COLOR: SEE CHART, IEC 60335-1, 5th EDITION GLOW WIRE CAPABLE
   TERMINALS:
   BRASS
2. TERMINAL PLATING:
   GOLD =.000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL
   TIN =.000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL
3. PRODUCT SPECIFICATION: PS-5556-001
4. PACKAGING: TRAY PACKED PER PK-5566-001
5. PART MATES WITH MINI-FIT JR. RECEPTACLE NO. 46992.
6. PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK ON THE HOUSING MEET CLASS "C: REQUIREMENTS.
7. PART IS NOT DESIGNED FOR CURRENT SHARING.
8. PARTS ARE NOT DESIGNED TO BE MATED OR UN-MATED WHILE CIRCUITS ARE LIVE.
9. LOCATION OF .118±.002/(3.00±0.05) DIAMETER HOLES ON P.C. BOARD IS FOR OPTIONAL PEGS.
10. ANTI-SHINGLING RIB MAY OR MAY NOT APPEAR ON HOUSINGS.

SEE SHEET 1
EC NO: UCP2016-0359 2015/07/24
DRWN: JDFOX 2015/07/24
CHKD: JBELL
APPR: FSMITH 2015/08/14
DESCRIPTION
A1
REV

QUALITY SYMBOLS
E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .015
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1 PLACE	± 0.50	± ---
0 PLACE	± ---	± ---

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

DIMENSION STYLE: IN/MM
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	NNGUYEN	2014/04/22
CHECKED BY	JBELL	2014/04/22
APPROVED BY	FSMITH	2014/05/16

TITLE: MINI-FIT VERT HDR ASSY W & W/O PEGS DUAL ROW
molex
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-172447-0000
SHEET NO.: 2 OF 2
SIZE: C

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