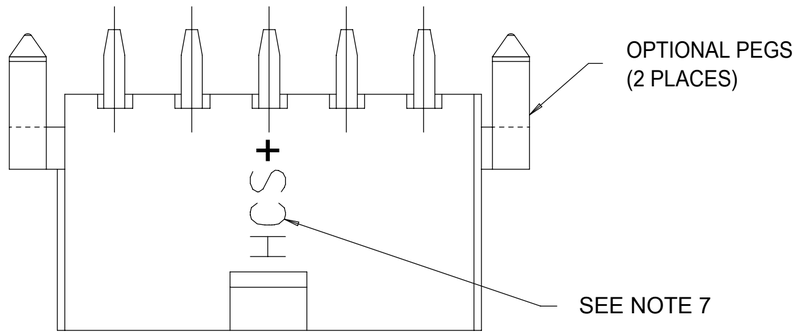
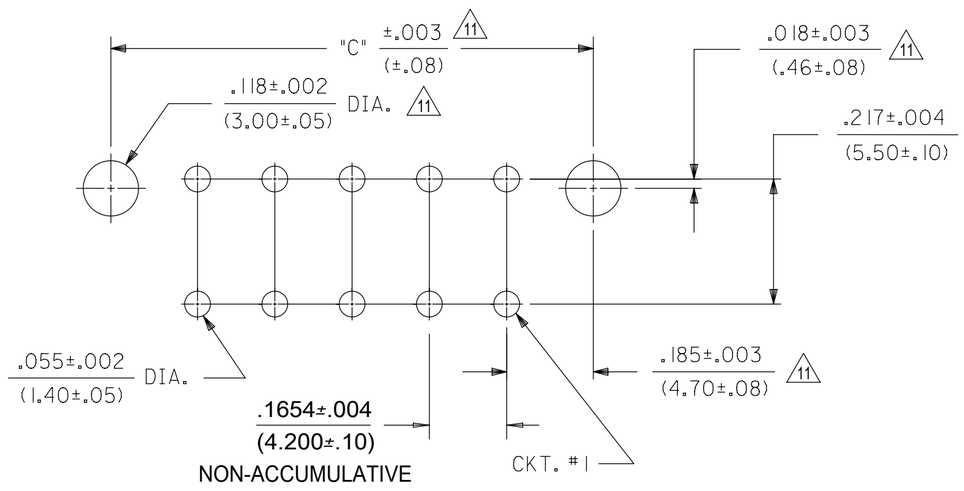
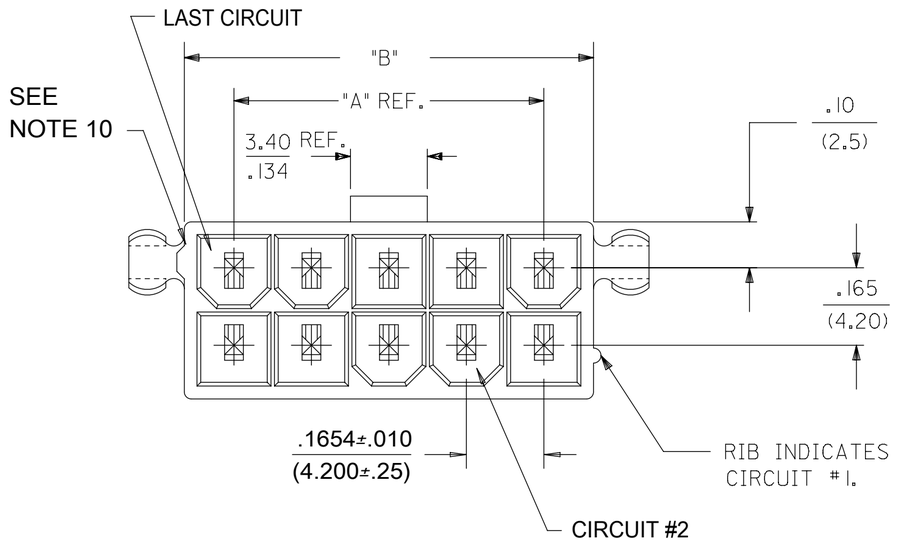
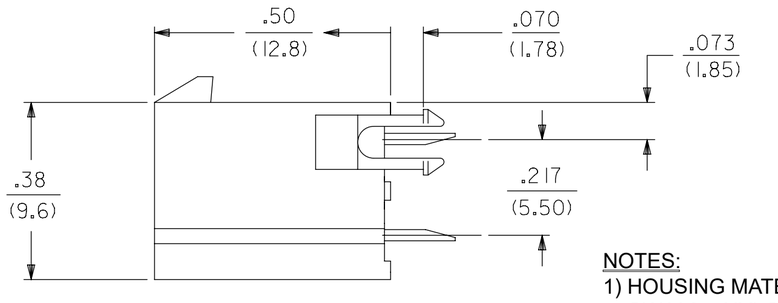


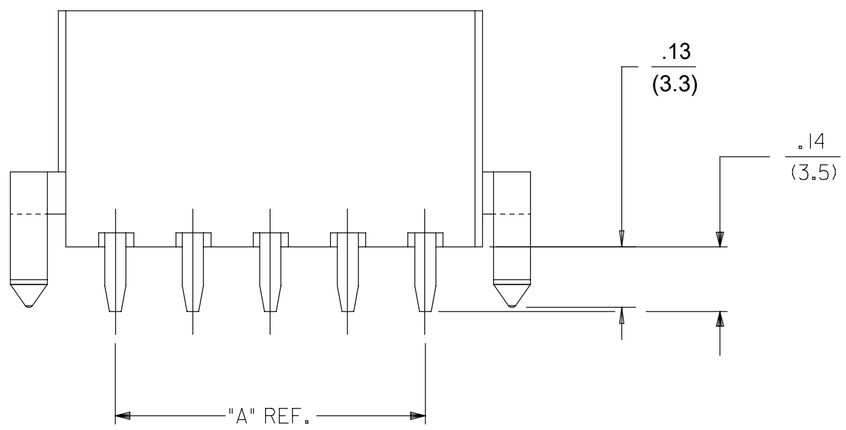


RECOMMENDED HOLE LAYOUT FOR
.070/(1.78) MAX. THICK P. C. BOARD

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







NOTES:
1) HOUSING MATERIAL:
GW V-2 = NYLON UL94V-2, COLOR: BLACK
IEC 60335-1 5TH EDITION GLOW WIRE CAPABLE
GW V-0 = NYLON UL94V-0, COLOR: BLACK
IEC 60335-1 5TH EDITION GLOW WIRE CAPABLE
TERMINAL MATERIAL: COPPER ALLOY.
2) TERMINAL PLATING:
TIN = .000100/(.00254) MIN. MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL
GOLD = .000030/(.00080) MIN. SELECT GOLD, .000100/(.00254) MIN. MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL
3) PRODUCT SPECIFICATION: PS-45750-001.
4) PACKAGING SPECIFICATION: PK-5566-001.
5) PART MATES WITH MINI-FIT JR. RECEPTACLE NO. 46992
6) PART IS NOT TO MATED OR UN-MATED WHILE CIRCUITS ARE LIVE.
7) PARTS TO HAVE "HCS+" MARKING.
8) PART CONFORMS TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH, AND SINK MEET CLASS "C" REQUIREMENTS.
9) PART IS NOT DESIGNED FOR CURRENT SHARING.
10) ANTI-SHINGLING RIB MAY OR MAY NOT APPEAR ON HOUSINGS.
11. LOCATION OF .118/3.00 DIAMTER HOLES ON P.C. BOARD IS FOR OPTIONAL PEGS.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
IN/MM	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.25	±
1 PLACE	± 0.5	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 803320
DRWN: JERRYW8 2024/07/30
CHK'D: XQZHANG 2024/11/13
APPR: XQZHANG 2024/11/13

INITIAL REVISION:
DRWN: JDFOX 2014/05/15
APPR: FSMITH 2014/06/23

molex

VERTICAL HEADER ASSEMBLY
DUAL ROW GLOW WIRE MINI-FIT PLUS HCS SERIES

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172675-0000	PSD	000	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	172675	SEE CHART	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2024/11/13 04:57:31

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01

ITEM NO.	CKT SIZE	HOUSING MATERIAL	PEGS	PLATING
172675-0213	2	GW V-2	YES	TIN
172675-0214		GW V-2	YES	GOLD
172675-0413	4	GW V-2	YES	TIN
172675-0414		GW V-2	YES	GOLD
172675-0613	6	GW V-2	YES	TIN
172675-0614		GW V-2	YES	GOLD
172675-0813	8	GW V-2	YES	TIN
172675-0814		GW V-2	YES	GOLD
172675-1013	10	GW V-2	YES	TIN
172675-1014		GW V-2	YES	GOLD
172675-1213	12	GW V-2	YES	TIN
172675-1214		GW V-2	YES	GOLD

ITEM NO.	CKT SIZE	HOUSING MATERIAL	PEGS	PLATING
172675-0215	2	GW V-2	NO	TIN
172675-0216		GW V-2	NO	GOLD
172675-0415	4	GW V-2	NO	TIN
172675-0416		GW V-2	NO	GOLD
172675-0615	6	GW V-2	NO	TIN
172675-0616		GW V-2	NO	GOLD
172675-0815	8	GW V-2	NO	TIN
172675-0816		GW V-2	NO	GOLD
172675-1015	10	GW V-2	NO	TIN
172675-1016		GW V-2	NO	GOLD
172675-1215	12	GW V-2	NO	TIN
172675-1216		GW V-2	NO	GOLD

ITEM NO.	CKT SIZE	HOUSING MATERIAL	PEGS	PLATING
172675-0617	6	GW V-0	NO	TIN

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DIMENSION UNITS: IN/MM
SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.25	±
1 PLACE	± 0.5	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 803320
DRWN: JERRYW8 2024/07/30
CHK'D: XQZHANG 2024/11/13
APPR: XQZHANG 2024/11/13

INITIAL REVISION:
DRWN: JDFOX 2014/05/15
APPR: FSMITH 2014/06/23

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 172675

molex

VERTICAL HEADER ASSEMBLY
DUAL ROW GLOW WIRE MINI-FIT PLUS HCS SERIES

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172675-0000	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2024/11/13 04:57:31

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01