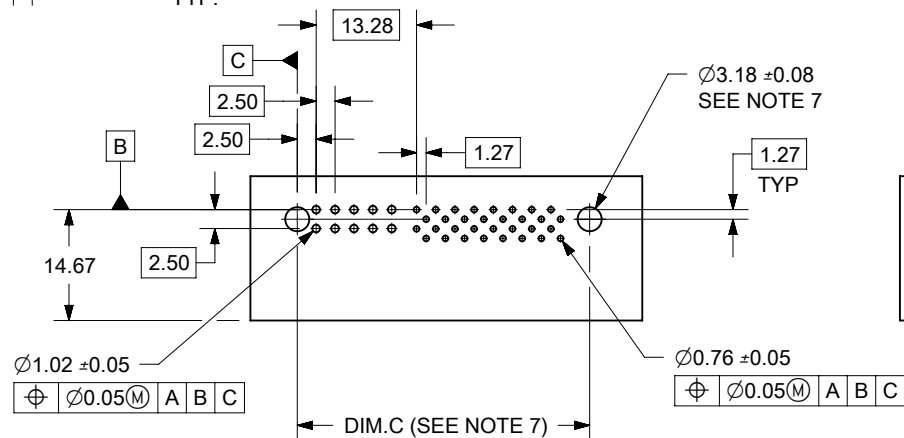
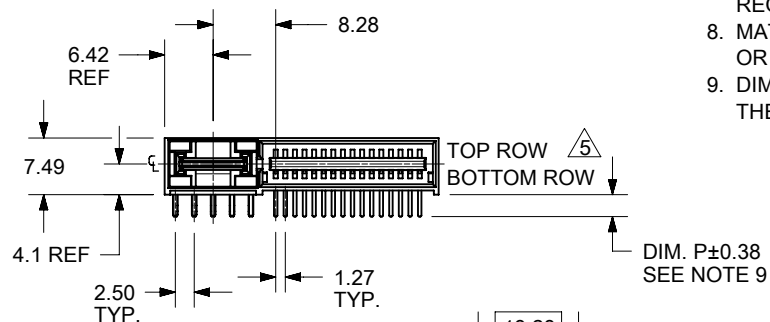
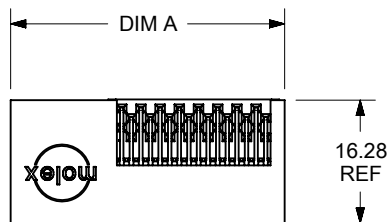


PCB LAYOUT: COMPONENT SIDE
THICKNESS: SEE CHART

459852163
(SHOWN FOR REFERENCE)
SEE CHART

NOTES:

1. MATERIAL:

HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER),
UL94V-0, COLOR: BLACK

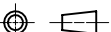
POWER CONTACT: COPPER ALLOY

SIGNAL CONTACT: PHOSPHOR BRONZE

2. FINISH: SELECT GOLD 0.76 MICROMETER/30 MICROINCH MINIMUM,
SELECT TIN 3.81 MICROMETER/150 MICROINCH MINIMUM,
BOTH OVER NICKEL 1.27 MICROMETER/50 MICROINCH MINIMUM.
3. PRODUCT SPECIFICATION: PS-45984-001.
4. PACKAGING SPECIFICATION: TRAY PER PK-45984-001.
5. SEE SHEET 5 FOR CIRCUIT IDENTIFICATION.
6. PARTS ARE RoHS COMPLIANT.
7. PEG HOLES ARE OPTICAL PCB FEATURES AND ARE
REQUIRED ONLY WITH THE PEGGED OPTIONS.
8. MATES WITH MOLEX R/A RECEPTACLE SERIES 45984-2***
OR VERTICAL RECEPTACLE SERIES 46114-2***
9. DIM. P TO BE MEASURED FROM THE HOUSING STAND-OFF TO
THE TERMINAL TIP.

(A1)

NO. OF SIGNAL	MATERIAL NUMBER	DIM A REF	DIM P	PCB THK
12	459852111	24.23	4.50	3.18
16	459852121	26.77		
20	459852131	29.30		
24	459852141	31.84		
28	459852151	34.37		
32	459852161	36.91		
36	459852171	39.44		
40	459852181	41.98		
12	459852112	24.23	3.60	2.36
16	459852122	26.77		
20	459852132	29.30		
24	459852142	31.84		
28	459852152	34.37		
32	459852162	36.91		
36	459852172	39.44		
40	459852182	41.98		
12	459852113	24.23	2.90	1.57
16	459852123	26.77		
20	459852133	29.30		
24	459852143	31.84		
28	459852153	34.37		
32	459852163	36.91		
36	459852173	39.44		
40	459852183	41.98		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS mm		SCALE 1:1	CURRENT REV DESC: UPDATED THE TYPO IN MATERIAL TABLE AND TITLE BLOCK			molex LPH PLUG ASSEMBLY RT ANGLE 2 CIRCUIT POWER CONNECTOR				
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL ± 0.5°										
4 PLACES ±		EC NO: 797031 DRWN: SACHIK7 2024/09/02 CHK'D: SACHIK7 2024/09/02 APPR: HTHYAGARAJ 2024/09/12			PRODUCT CUSTOMER DRAWING					
3 PLACES ±										
2 PLACES ± 0.25		INITIAL REVISION: DRWN: GSHARMA 2020/03/09 APPR: HTHYAGARAJ 2021/05/24			DOCUMENT NUMBER 459850200		DOC TYPE PSD	DOC PART 000	REVISION A1	
1 PLACE ±										
0 PLACES ±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING A-SIZE	SERIES 45985	MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 5	

6

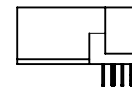
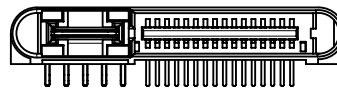
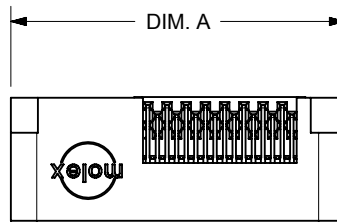
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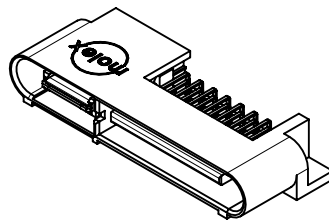
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2

1



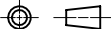
GUIDE OPTIONS



459852263
(SHOWN FOR REFERENCE)
SEE CHART

	NO. OF SIGNAL	MATERIAL NUMBER	DIM A REF	DIM P	PCB THK
A1)	12	459852211	31.65	4.50	3.18
	16	459852221	34.18		
	20	459852231	36.72		
	24	459852241	39.25		
	28	459852251	41.79		
	32	459852261	44.32		
	36	459852271	46.86		
	40	459852281	49.39		
	12	459852212	31.65	3.60	2.36
	16	459852222	34.18		
	20	459852232	36.72		
	24	459852242	39.25		
	28	459852252	41.79		
	32	459852262	44.32		
	36	459852272	46.86		
	40	459852282	49.39		
	12	459852213	31.65	2.90	1.57
	16	459852223	34.18		
	20	459852233	36.72		
	24	459852243	39.25		
	28	459852253	41.79		
	32	459852263	44.32		
	36	459852273	46.86		
	40	459852283	49.39		

NOTE:
1.SEE SHEET 1 FOR DIMENSIONS NOT SHOWN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: UPDATED THE TYPO IN MATERIAL TABLE AND TITLE BLOCK			molex LPH PLUG ASSEMBLY RT ANGLE 2 CIRCUIT POWER CONNECTOR									
GENERAL TOLERANCES (UNLESS SPECIFIED)																
ANGULAR TOL ± 0.5 °				EC NO: 797031 DRWN: SACHIK7 2024/09/02 CHK'D: SACHIK7 2024/09/02 APPR: HTHYAGARAJ 2024/09/12			PRODUCT CUSTOMER DRAWING									
4 PLACES ±																
3 PLACES ±		INITIAL REVISION: DRWN: GSHARMA 2020/03/09 APPR: HTHYAGARAJ 2021/05/24					DOCUMENT NUMBER 459850200		DOC TYPE PSD	DOC PART 000	REVISION A1					
2 PLACES ± 0.25																
1 PLACE ±																
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 		DRAWING A-SIZE		SERIES 45985		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2024/09/12	06:41:43
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6

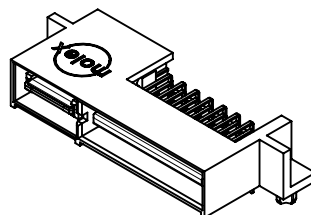
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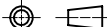
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2

1



NOTE:
1.SEE SHEET 1 FOR DIMENSIONS NOT SHOWN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: UPDATED THE TYPO IN MATERIAL TABLE AND TITLE BLOCK				molex LPH PLUG ASSEMBLY RT ANGLE 2 CIRCUIT POWER CONNECTOR							
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 0.5°				EC NO: 797031 DRWN: SACHIK7 2024/09/02 CHK'D: SACHIK7 2024/09/02 APPR: HTHYAGARAJ 2024/09/12											
4 PLACES ±															
3 PLACES ±		INITIAL REVISION: DRWN: GSHYARMA 2020/03/09 APPR: HTHYAGARAJ 2021/05/24													
2 PLACES ± 0.25															
1 PLACE ±		DOCUMENT NUMBER 459850200				DOC TYPE PSD		DOC PART 000		REVISION A1					
0 PLACES ±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A-SIZE		SERIES 45985		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 5	

