

10 COLUMN CONNECTOR SHOWN  
FOR REFERENCE ONLY

NOTES:

1. MATERIALS:  
HOUSING: LIQUID CRYSTAL POLYMER (LCP), UL94V-0, BLACK  
TERMINALS: COPPER ALLOY
2. FINISH:  
CONTACT AREA: 30μ INCH MINIMUM GOLD OVER NICKEL  
COMPLIANT AREA: TIN (LEAD-FREE) OVER NICKEL
3. PRODUCT SPECIFICATION: PS-172374-999
4. PACKAGING SPECIFICATION: PK-172700-9001
5. MATES WITH STANDARD BP 76155.
6. APPLICATION SPECIFICATION: AS-76060-9997
7. COSMETIC SPECIFICATION" PS-45499-002.
8. ROUTING GUIDE AS-172374-0001
9. MARKINGS: LOCATED APPROXIMATELY AS SHOWN  
PART NUMBER & DATE CODE
10. ALIGNMENT RIBS USED FOR GUIDANCE INTO THE MATING HEADER  
AND THE LOCATIONS WILL CHANGE WITH NUMBER OF COLUMNS.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED XRAY SERIES MARKING IN SHEET 1 @ D7			<b>molex</b>				
mm	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 667795			IMPACT ZX2 4 PAIR STANDARD DAUGHTERCARD UNGUIDED ASSEMBLY SALES DRAWING				
ANGULAR TOL	± 0.5°	DRWN: YOGEEB 2021/05/26			PRODUCT CUSTOMER DRAWING				
4 PLACES	±	CHK'D: SHONG 2021/06/28			DOCUMENT NUMBER				
3 PLACES	±	APPR: SHONG 2021/06/28			SD-172699-0001				
2 PLACES	± 0.13	INITIAL REVISION:			DOC TYPE				
1 PLACE	± 0.25	DRWN: FGRZELAK 2016/04/11			PSD				
0 PLACES	±	APPR: TELO 2017/01/24			DOC PART				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		REVISION	
		B-SIZE		172699		GENERAL MARKET		B1	
		SEE TABLE		GENERAL MARKET		1 OF 4			

PART NUMBER	# OF COLUMNS	# OF DIFF PAIRS	DIM A MAX	DIM B	PTH $\phi$
172699-1036	6	24	11.40	9.50	0.36 $\pm$ 0.05
172699-1038	8	32	15.20	13.30	0.36 $\pm$ 0.05
172699-1020	10	40	19.00	17.10	0.36 $\pm$ 0.05
172699-1026	16	64	30.40	28.50	0.36 $\pm$ 0.05

## PART NUMBER LOGIC

172699- \* 0 \* \*

MODULE TYPE:  
1 = UNGUIDED

# OF COLUMNS:  
36 = 6 COLUMN, 0.36 PTH  
38 = 8 COLUMN, 0.36 PTH  
20 = 10 COLUMN, 0.36 PTH  
26 = 16 COLUMN, 0.36 PTH

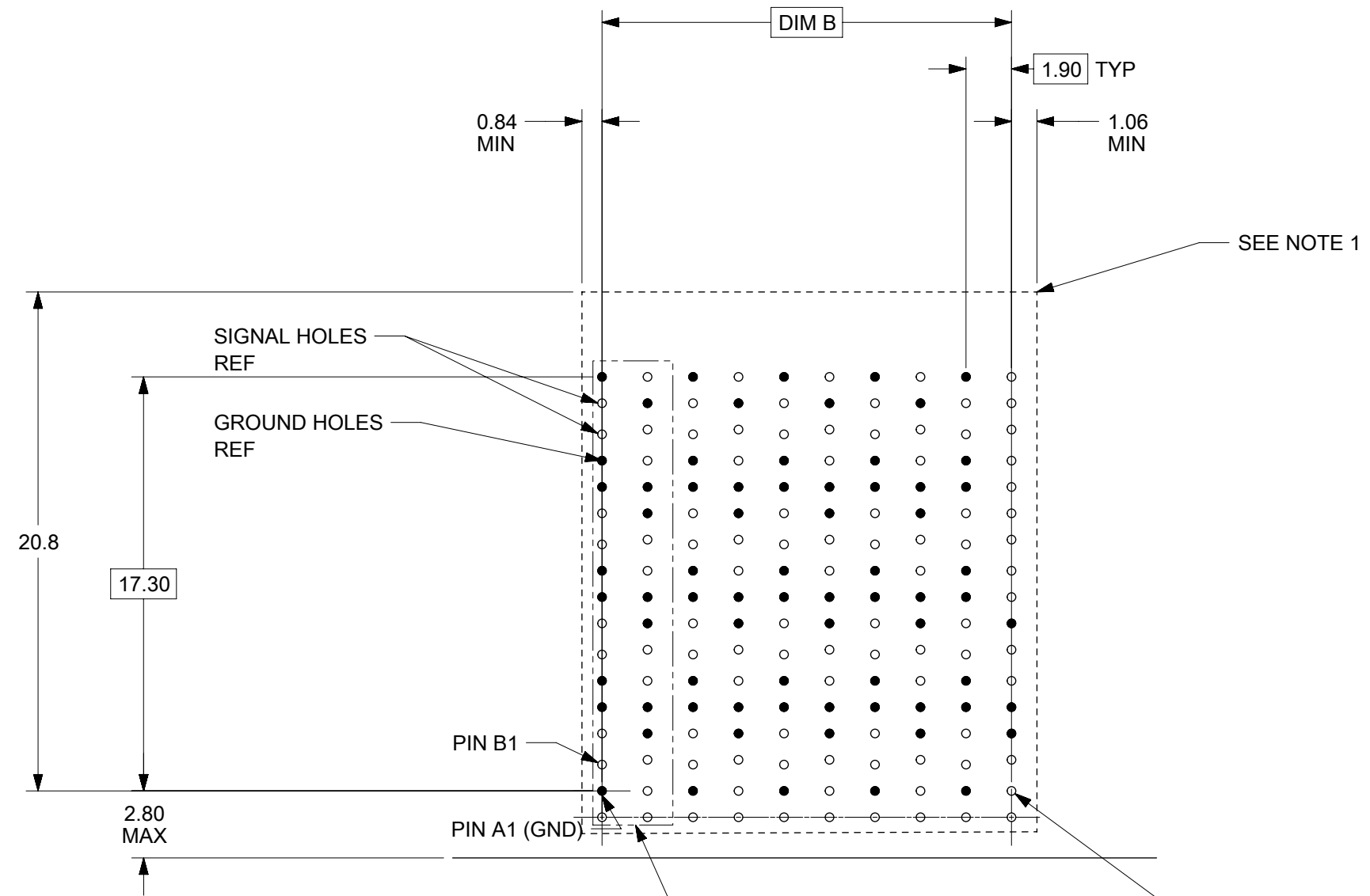
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS <b>mm</b>	SCALE <b>NTS</b>	CURRENT REV DESC: ADDED XRAY SERIES MARKING IN SHEET 1 @ D7			<b>molex</b>					
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ANGULAR TOL $\pm$ 0.5°		DRWN: YOGEEB 2021/05/26			PRODUCT CUSTOMER DRAWING					
4 PLACES $\pm$		CHK'D: SHONG 2021/06/28			DOCUMENT NUMBER					
3 PLACES $\pm$		APPR: SHONG 2021/06/28			SD-172699-0001			DOC TYPE	DOC PART	REVISION
2 PLACES $\pm$ 0.13		INITIAL REVISION:			PSD			000	B1	
1 PLACE $\pm$ 0.25		DRWN: FGRZELAK 2016/04/11			MATERIAL NUMBER					
0 PLACES $\pm$		APPR: TELO 2017/01/24			CUSTOMER					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
		B-SIZE	172699	SEE TABLE	GENERAL MARKET	2 OF 4				

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/28 21:47:44
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GND	17.30	●	○	17.30	VIA
M1	16.20	○	●	16.20	GND
L1	14.90	○	○	15.10	L2
GND	13.80	●	○	13.80	K2
GND	12.70	●	●	12.70	GND
J1	11.60	○	●	11.60	GND
H1	10.30	○	○	10.50	H2
GND	9.20	●	○	9.20	G2
GND	8.10	●	●	8.10	GND
F1	7.00	○	●	7.00	GND
E1	5.70	○	○	5.90	E2
GND	4.60	●	○	4.60	D2
GND	3.50	●	●	3.50	GND
C1	2.40	○	●	2.40	GND
B1	1.10	○	○	1.30	B2
A1 (GND)	0.00	●	○	0.00	A2
VIA	1.10	○	○	1.10	VIA

SEE NOTE 3

DETAIL A  
SCALE 5:1



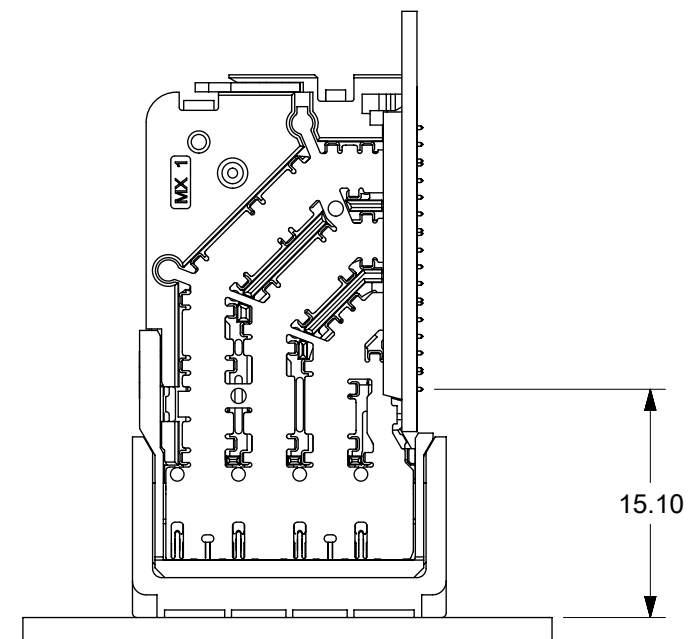
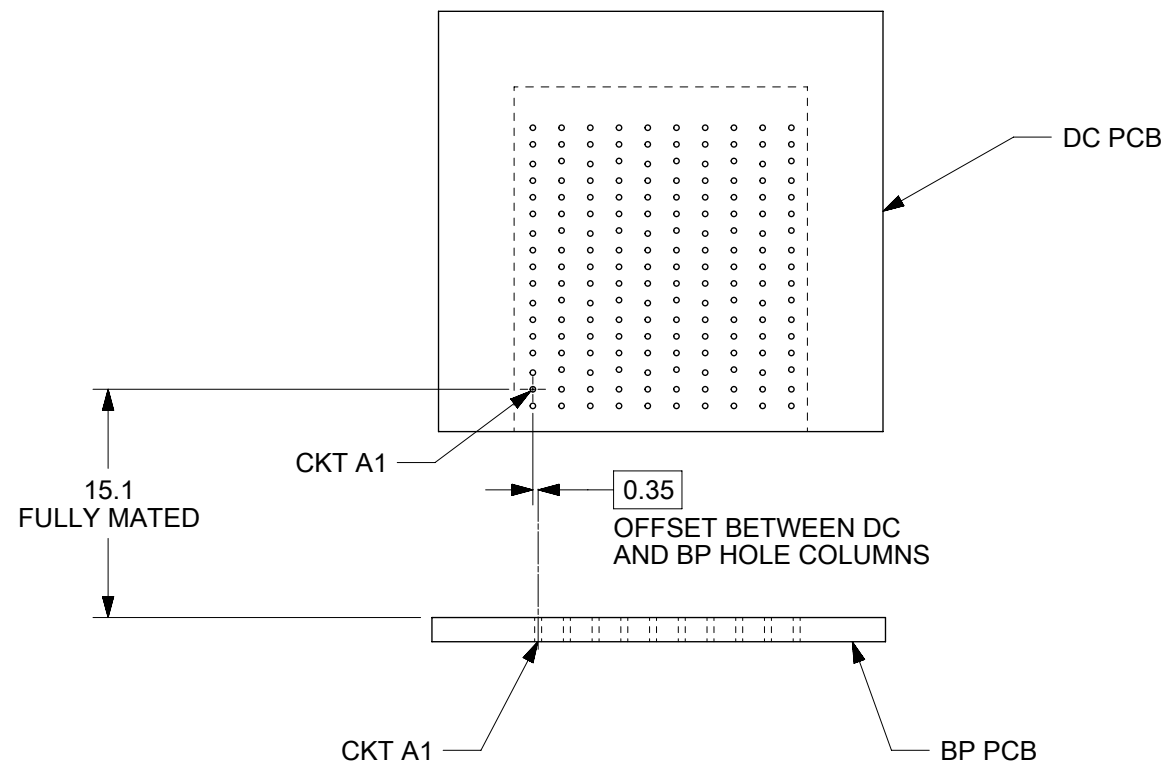
DAUGHTERCARD HOLE PATTERN  
(CONNECTOR SIDE)

⊕ ∅0.10  
SEE SHEET 2 FOR  
PCB FINISH HOLE SIZE  
AND PARAMETERS BY P/N

- NOTES:
1. THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PCB. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR.
  2. MINIMUM PCB THICKNESS: 1.0 MM
  3. PINNING VIAS ONLY - NOT FOR CONNECTOR TAILS

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0 PLACES	±	CHK'D: SHONG	2021/06/28		MATERIAL NUMBER			CUSTOMER		SHEET NUMBER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SEE TABLE		GENERAL MARKET		3 OF 4	

# IMPACT ZX2 4 PAIR BOARD RELATIONSHIP (DATAPLANE BP 76155 SHOWN)



NOTES:  
1. SEE DESIGN GUIDE FOR ADDITIONAL MATING COMBINATIONS.

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			B-SIZE	172699					4 OF 4	