

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 mm		SCALE NTS		CURRENT REV DESC: ADDED XRAY SERIES MARKING IN SHEET 1 @ D7				molex		IMPACT ZX2 4 PAIR STANDARD DAUGHTERCARD UNGUIDED ASSEMBLY SALES DRAWING	
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 0.5°		EC NO: 667795							
4 PLACES ±		3 PLACES ±		2 PLACES ± 0.13		1 PLACE ± 0.25		0 PLACES ±		INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
DOCUMENT STATUS		P1		RELEASE DATE		2021/06/28 21:47:44		SD-172699-0001		PSD 000 B1	
SEE TABLE		GENERAL MARKET		1 OF 4		B-SIZE		172699		1 OF 4	

PART NUMBER	# OF COLUMNS	# OF DIFF PAIRS	DIM A MAX	DIM B	PTH ϕ
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

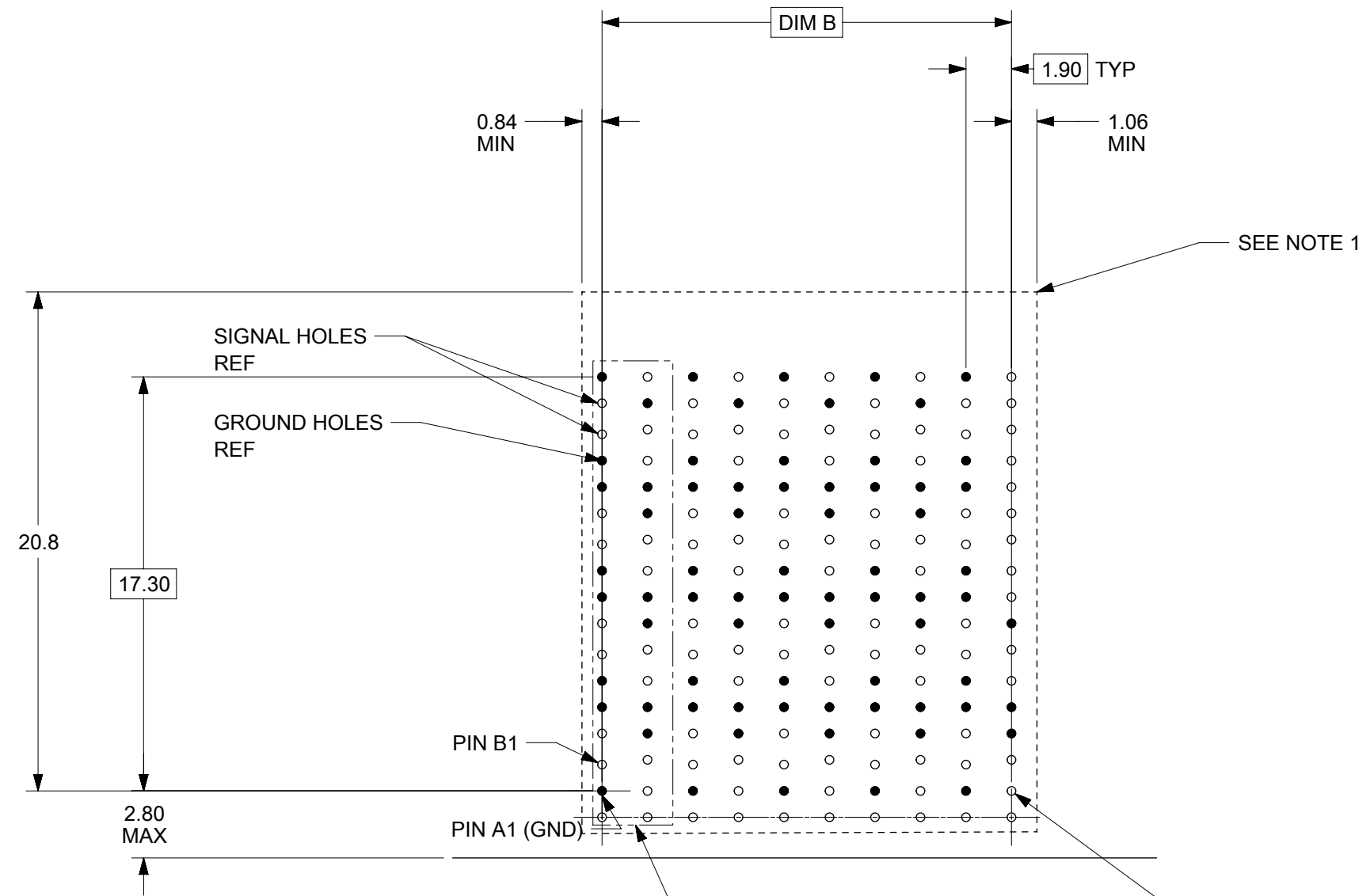
OF COLUMNS:
36 = 6 COLUMN, 0.36 PTH
38 = 8 COLUMN, 0.36 PTH
20 = 10 COLUMN, 0.36 PTH
26 = 16 COLUMN, 0.36 PTH

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GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 667795								IMPACT ZX2 4 PAIR STANDARD DAUGHTERCARD UNGUIDED ASSEMBLY SALES DRAWING
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			SEE TABLE					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	CUSTOMER	SHEET NUMBER					
		B-SIZE	172699	GENERAL MARKET	2 OF 4					

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



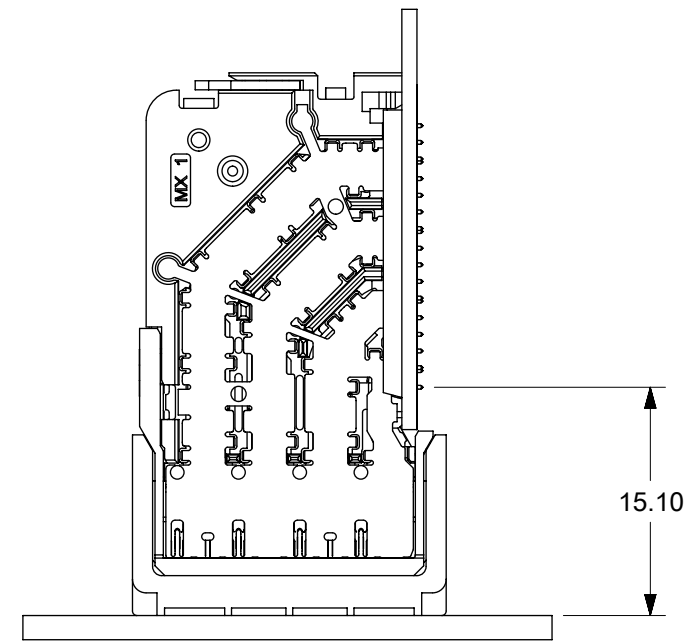
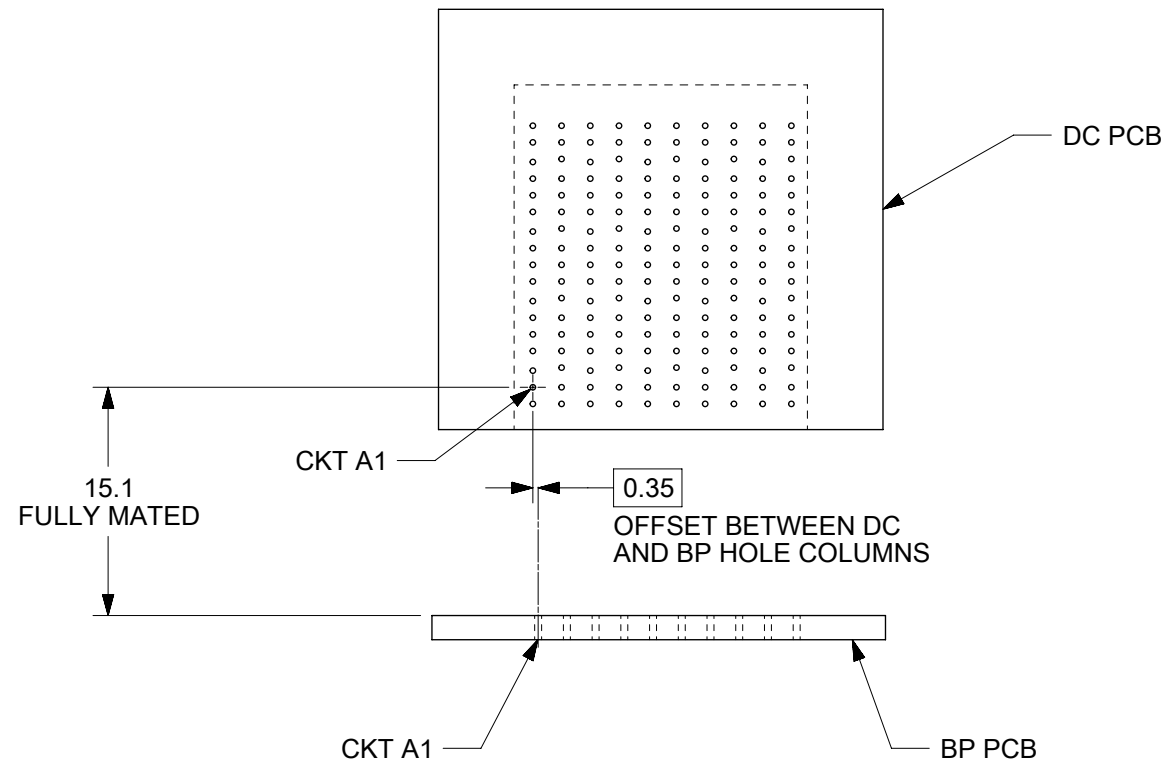
DAUGHTERCARD HOLE PATTERN
(CONNECTOR SIDE)

$\varnothing 0.10$
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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1 PLACE ± 0.25				DRWN: FGRZELAK 2016/04/11				DOCUMENT NUMBER		DOC TYPE		DOC PART	
0 PLACES ±				APPR: TELO 2017/01/24				SD-172699-0001		PSD		000 B1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
				B-SIZE		172699		SEE TABLE		GENERAL MARKET		SHEET NUMBER	
												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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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	GENERAL MARKET		4 OF 4			
			B-SIZE	172699						