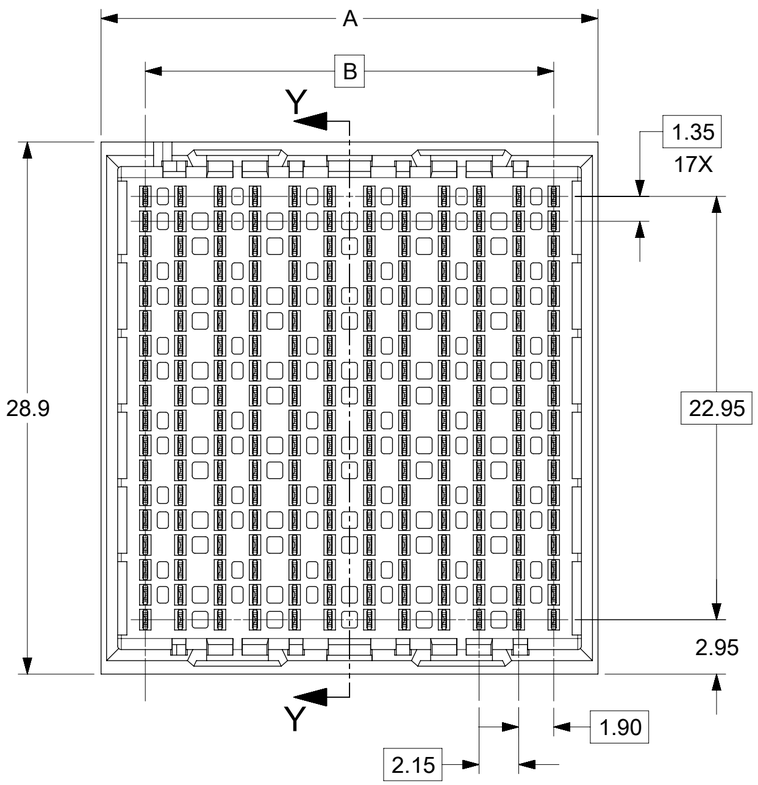
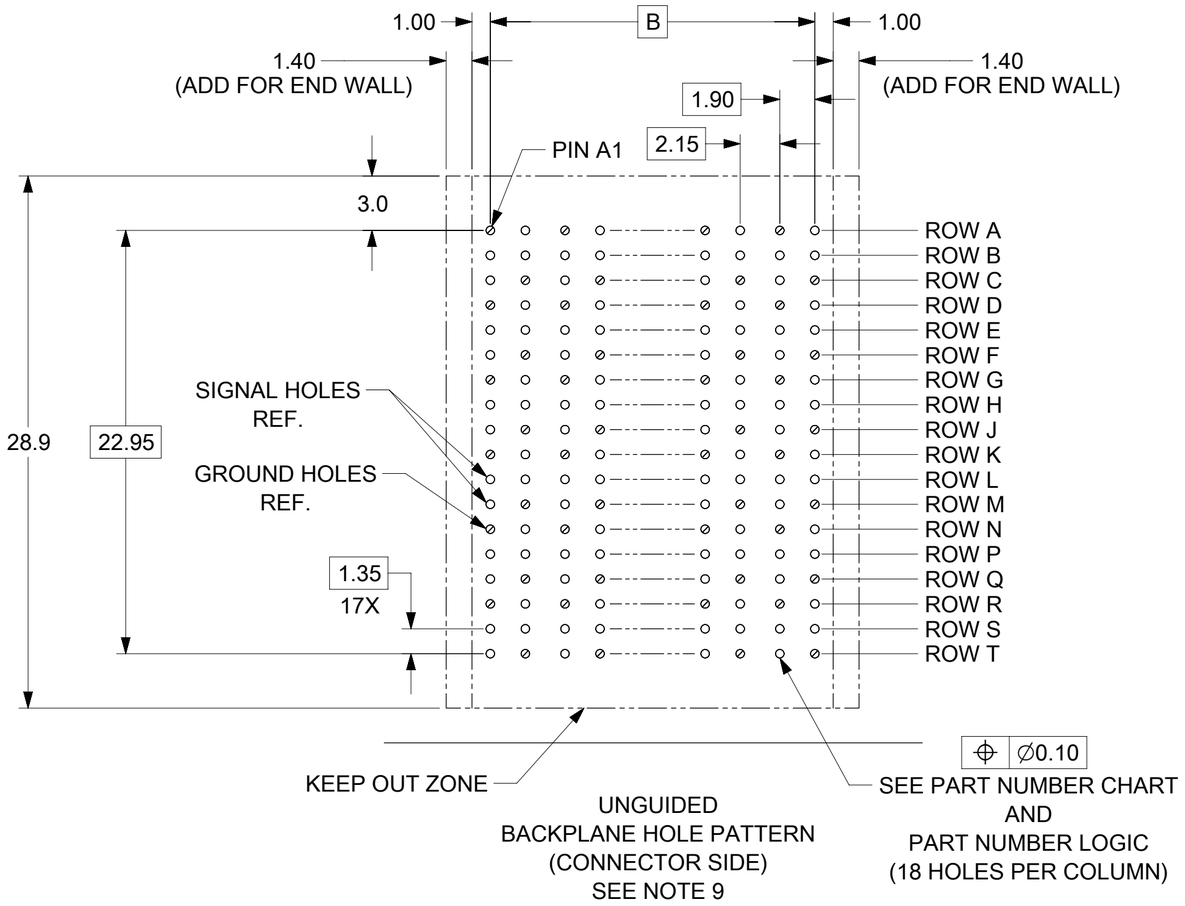
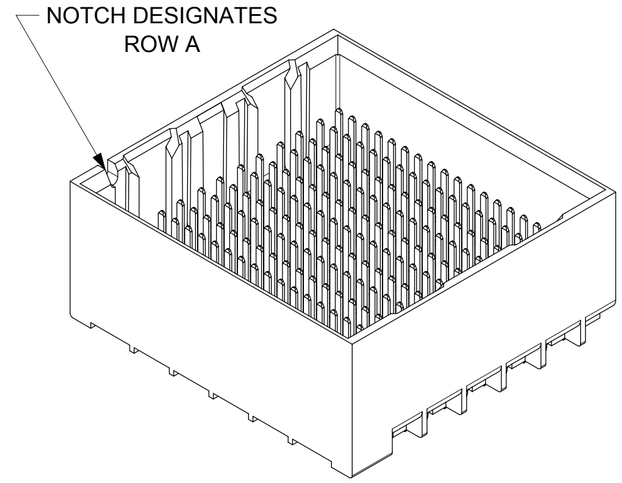






NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µ MIN. GOLD IN CONTACT AREA.
   SELECTIVE TIN ON PCB TAILS.
   NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999
   FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
   MOLEX COSMETIC SPEC PS-45499-002.
5. PACKAGE PER: PK-70873-760.
6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
7. MATES WITH IMPACT ORTHO DC SERIES NO. 76290.
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND
   ROUTING RECOMMENDATIONS.
9. THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE
   CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERRED
   TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE
   ACTUAL PERIMETER OF THE CONNECTOR. WHEN LAYING OUT A PC BOARD FOR
   CONNECTORS STACKED TOGETHER, USE A 1.9mm PROGRESSION.

RELEASE STATUS	P1	RELEASE DATE	02.11.2017	08:15:02

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

MIGRATED TO NX
EC NO: 167466 2017/10/31
DRWN: ABABU01 2017/10/31
CHK'D: CD 2017/11/02
APPR: GGA

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	MM
SCALE	4:1
DRWN BY	JMENDOZA
DATE	2012/09/25
CHK'D BY	TELO
DATE	2012/09/25
APPR BY	TELO
DATE	2016/02/22
DRAWING SIZE	A2
REV	
THIRD ANGLE PROJECTION	C

molex®

IMPACT 6 PAIR ORTHO MATE
UNGUIDED HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

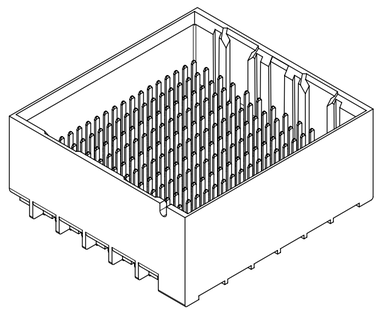
SERIES	MATERIAL NUMBER	CUSTOMER
76289	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-76289-0001	PSD	001	1 OF 3

FORMAT: molex-tb-prod-C
REVISION: G
DATE: 2015/02/06

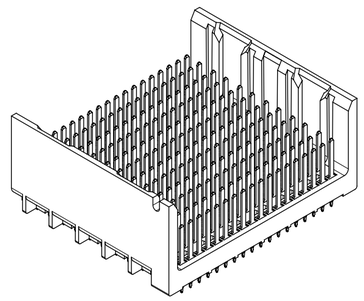
PART NUMBER CHART

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF. PAIR	DIM. A	DIM. B	
76289-112*	10	60	22.90	18.10	DUAL END WALL OPTION
76289-122*	12	72	26.95	22.15	



DUAL END WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF. PAIR	DIM. A	DIM. B	
76289-110*	10	60	20.10	18.10	OPEN WALL OPTION
76289-120*	12	72	24.15	22.15	



OPEN WALL OPTION

PART NUMBER LOGIC

76289-1***

MODULE TYPE
1 = UNGUIDED, TIN

# OF COLUMNS
1 = 10 COLUMN
2 = 12 COLUMN

END WALL OPTIONS
0 = OPEN ENDS
2 = DUAL END WALL

P=PIN LENGTH
4 = 4.90 (0.46±0.05 PTH)
5 = 5.50 (0.46±0.05 PTH)
7 = 4.90 (0.39±0.05 PTH)
8 = 5.50 (0.39±0.05 PTH)

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MIGRATED TO NX
2017/10/31
2017/10/31
2017/11/02
EC NO: 167466
DRWN: ABABU01
CHK'D: CD
APPR: GGA

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 0.5 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.13
1 PLACE ± 0.25
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: 2:1
DRWN BY: JMENDOZA DATE: 2012/09/25
CHK'D BY: TELO DATE: 2012/09/25
APPR BY: TELO DATE: 2016/02/22
DRAWING SIZE: A2
REV: C
THIRD ANGLE PROJECTION

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IMPACT 6 PAIR ORTHO MATE
UNGUIDED HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

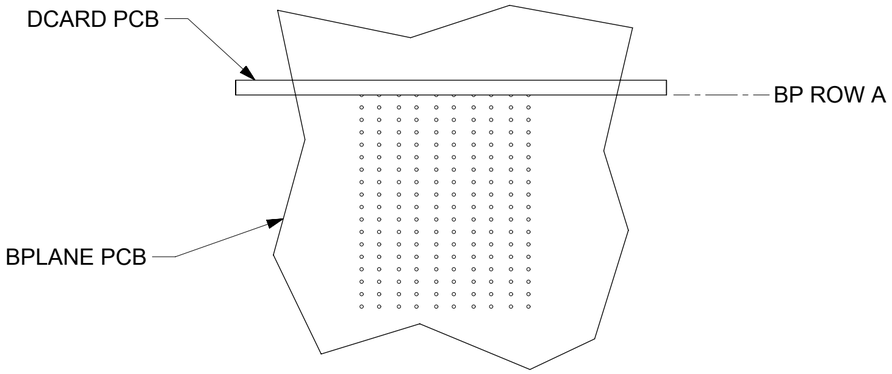
SERIES	MATERIAL NUMBER	CUSTOMER
76289	SEE CHART	GENERAL MARKET

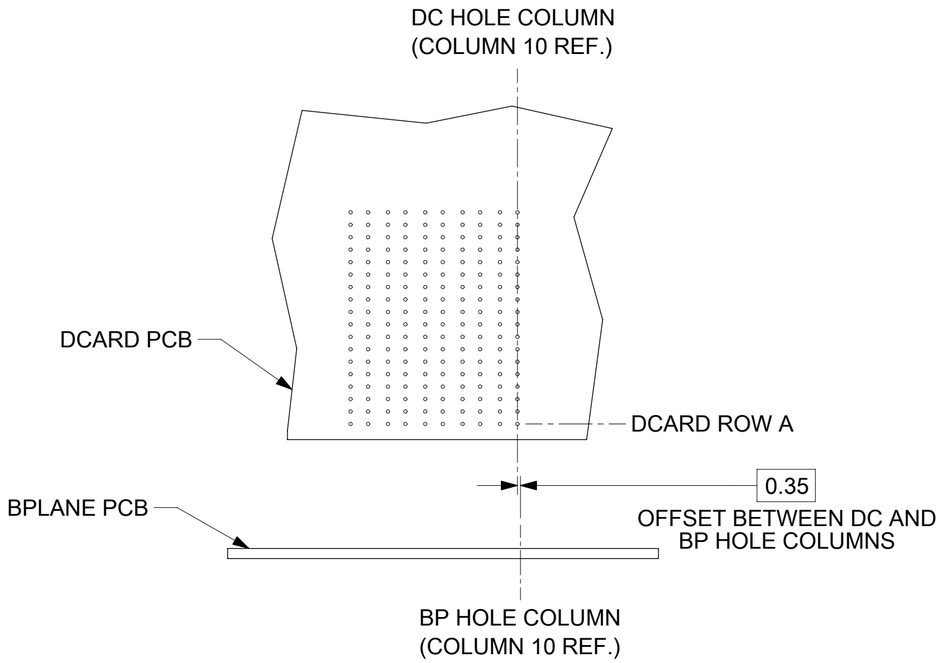
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-76289-0001	PSD	001	2 OF 3

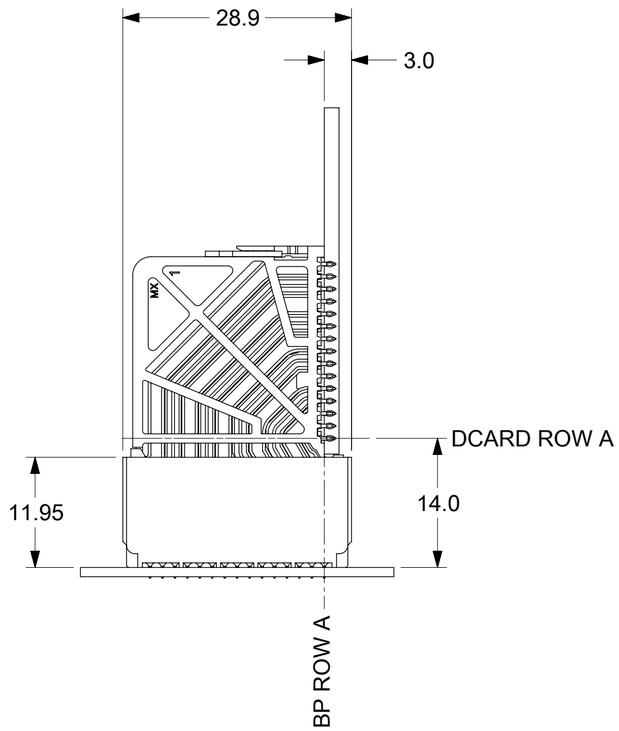
RELEASE STATUS	P1	RELEASE DATE	02.11.2017 08:15:02

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/02/06

IMPACT 6 PAIR ORTHO MATE BOARD RELATIONSHIPS







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MIGRATED TO NX			
EC NO: 167466	2017/10/31		
DRWN: ABABU01	2017/10/31		
CHK'D: CD	2017/11/02		
APPR: GGA			
REV			

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	0.5	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	MM
SCALE	2:1
DRWN BY	JMENDOZA
DATE	2012/09/25
CHK'D BY	TELO
DATE	2012/09/25
APPR BY	TELO
DATE	2016/02/22
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

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IMPACT 6 PAIR ORTHO MATE
UNGUIDED HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
76289	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-76289-0001	PSD	001	3 OF 3

A2

RELEASE STATUS	P1	RELEASE DATE	02.11.2017 08:15:02

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/02/06