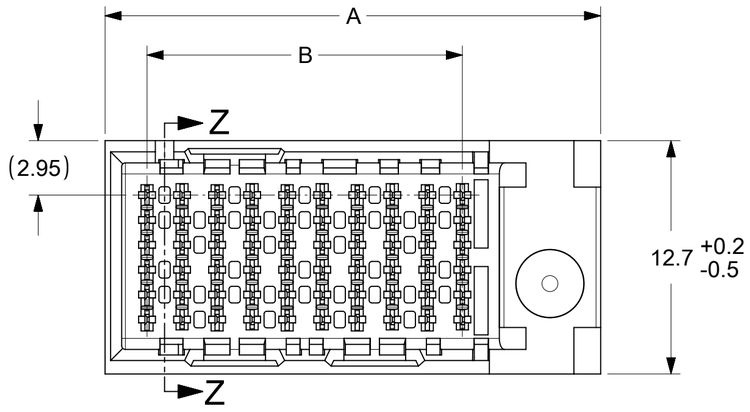
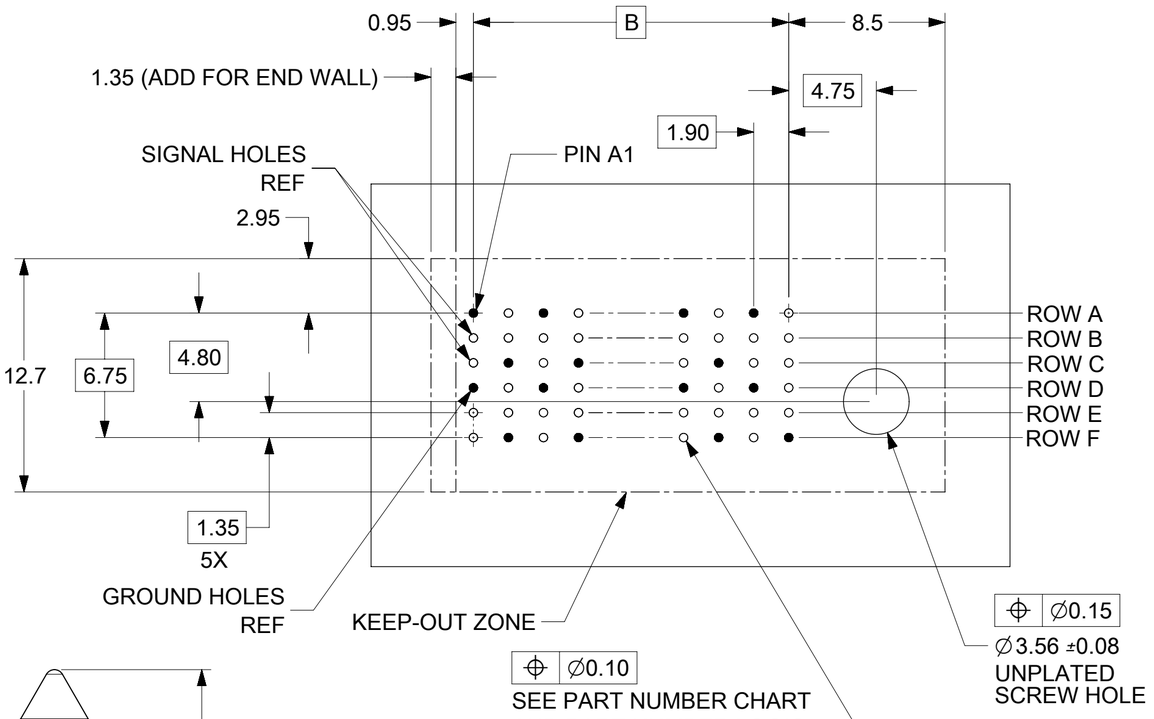
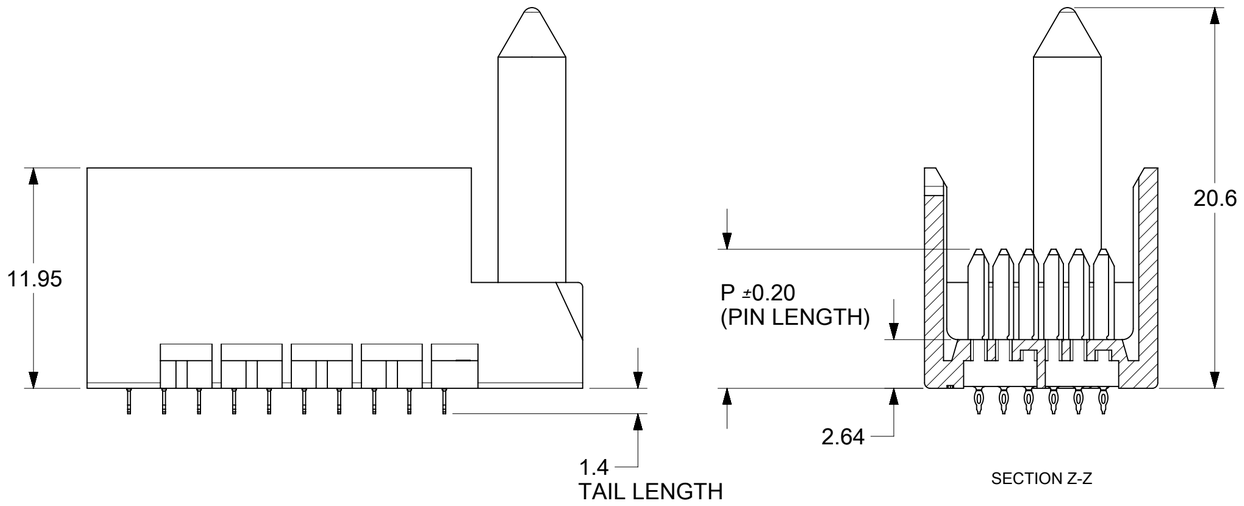
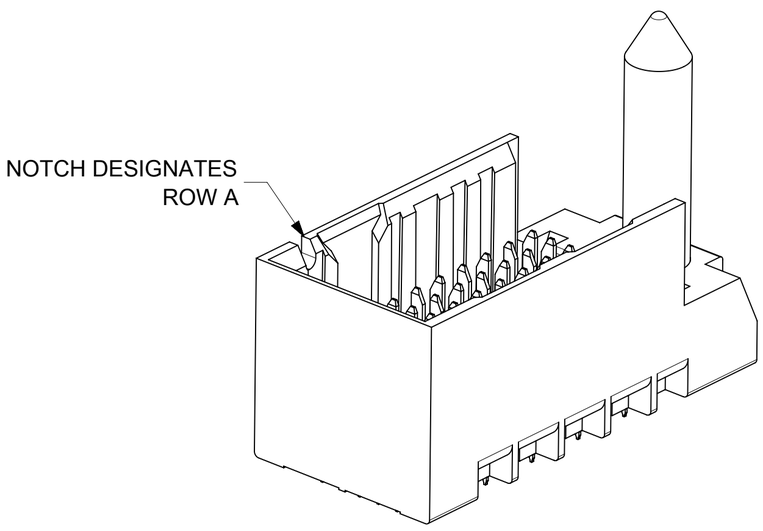




RIGHT GUIDED
BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)
SEE NOTE 11



SECTION Z-Z



NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µINCH MIN GOLD IN CONTACT AREA.
   SELECTIVE MATTE 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. PARTS PACKAGED PER PK-70873-761
6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
7. MATES WITH IMPACT DC SERIES NO. 171070.
8. KEEP OUT ZONE FOR BP HOUSING LENGTH INCLUDES AN ADDITIONAL 1.0MM
   TO ACCOMMODATE FOR SPACE REQUIRED BY DC FRONT HOUSING.
9. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND
   ROUTING RECOMMENDATIONS.
10. CONNECTORS SUPPLIED WITH A 2-56 UNC-2A SCREW.
11. "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."
12. MINIMUM CIRCUIT BOARD THICKNESS: 1.00

QUALITY SYMBOLS	
▽ = 0	
▽ = 0	
▽ = 0	
▼ = 0	
▽ = 0	
☒ = 0	
■ = 0	
▽ = 0	

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

REMASTERED IN NX 2017/11/09
EC NO: 168852 2017/11/30
DRWN: VNANDAM
CHK'D: CD 2017/12/01
APPR: GGA
REV C1

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	JBINGHAM
DATE	2012/02/08
CHK'D BY	JLAURX
DATE	2012/02/08
APPR BY	JLAURX
DATE	2013/02/07
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

molex®

IMPACT 2-PAIR 85-OHM
RIGHT GUIDED BACKPLANE SALES ASSEMBLY DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
171065	SEE CHART	GENERAL MARKET

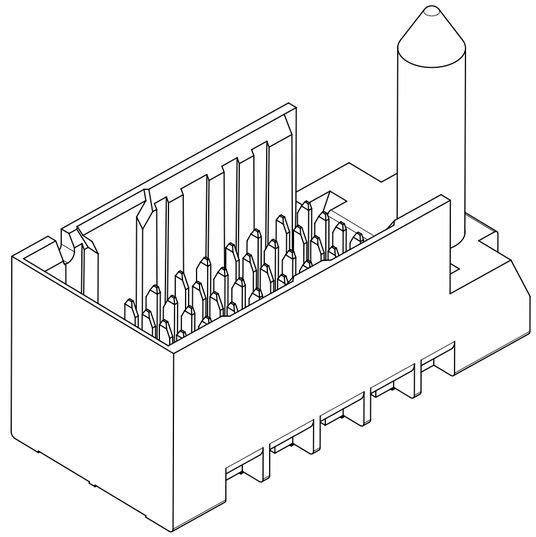
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171065-0003	PSD	001	1 OF 3

RELEASE STATUS	P1	RELEASE DATE	01.12.2017 12:29:19

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

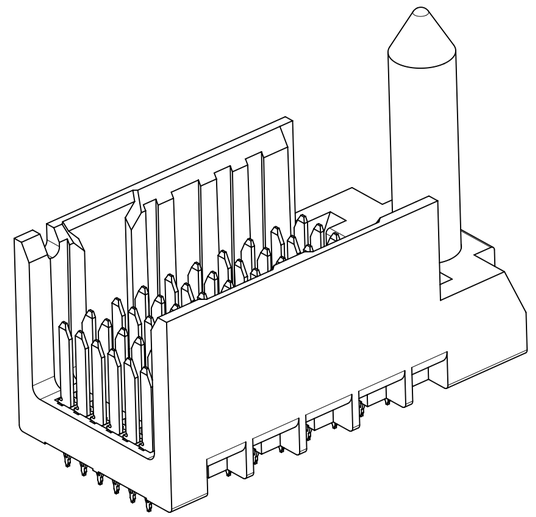
PART NUMBER CHART

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	
171065-910*	10	20	26.9	17.10	GUIDE RIGHT END WALL OPTION
171065-960*	16	32	38.3	28.50	



GUIDE RIGHT END WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	
171065-510*	10	20	25.5	17.10	GUIDE RIGHT OPEN WALL OPTION
171065-560*	16	32	36.9	28.50	



GUIDE RIGHT OPEN END OPTION

PART NUMBER LOGIC

171065 - * * 0 *

MODULE TYPE
5 = GUIDE RIGHT, MATTE TIN
9 = GUIDE RIGHT END WALL, MATTE TIN

# OF COLUMNS
1 = 10 COL
6 = 16 COL

PIN LENGTH (P)
3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH)
5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH)
7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH)
8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH)

QUALITY SYMBOLS
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= 0
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= 0

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REMASTERED IN NX 2017/11/09
EC NO: 168852 2017/11/30
DRWN: VNANDAM
CHK'D: CD
APPR: GGA
REV C1

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: JBINGHAM DATE: 2012/02/08
CHK'D BY: JLAURX DATE: 2012/02/08
APPR BY: JLAURX DATE: 2013/02/07
DRAWING SIZE: C
THIRD ANGLE PROJECTION

molex®

IMPACT 2-PAIR 85-OHM
RIGHT GUIDED BACKPLANE SALES ASSEMBLY
DRAWING

PRODUCT CUSTOMER DRAWING

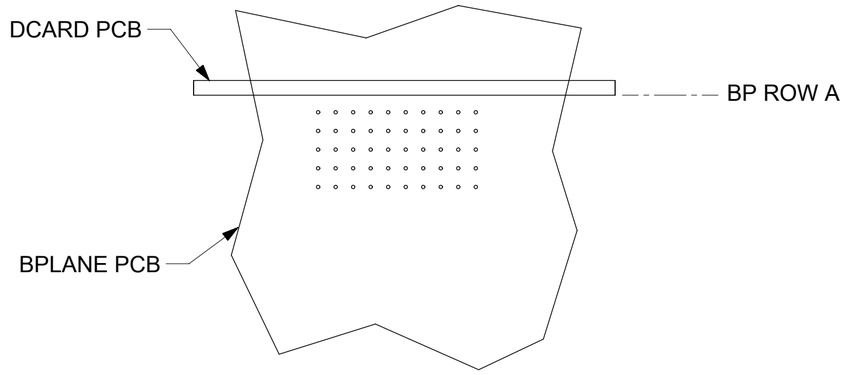
SERIES	MATERIAL NUMBER	CUSTOMER
171065	SEE CHART	GENERAL MARKET

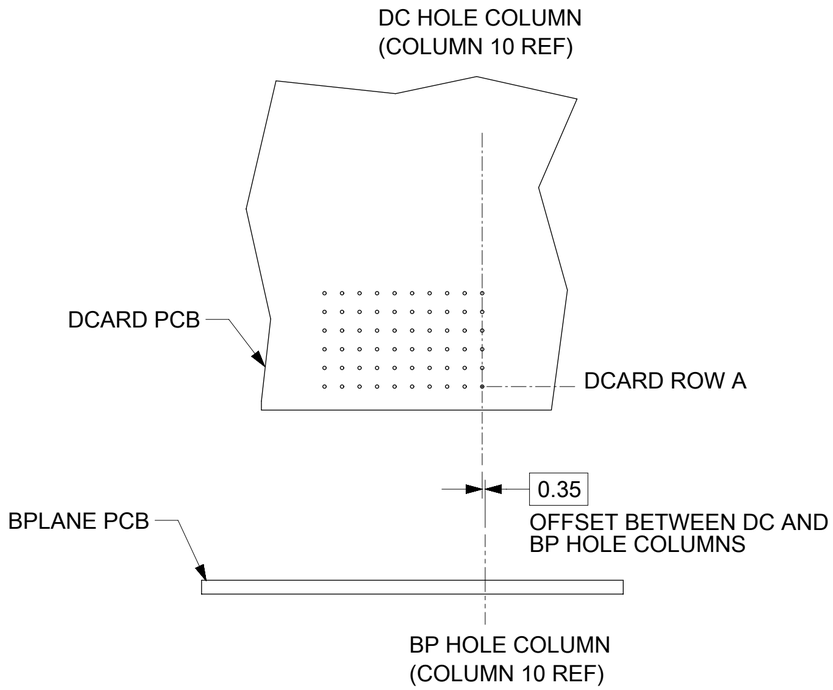
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171065-0003	PSD	001	2 OF 3

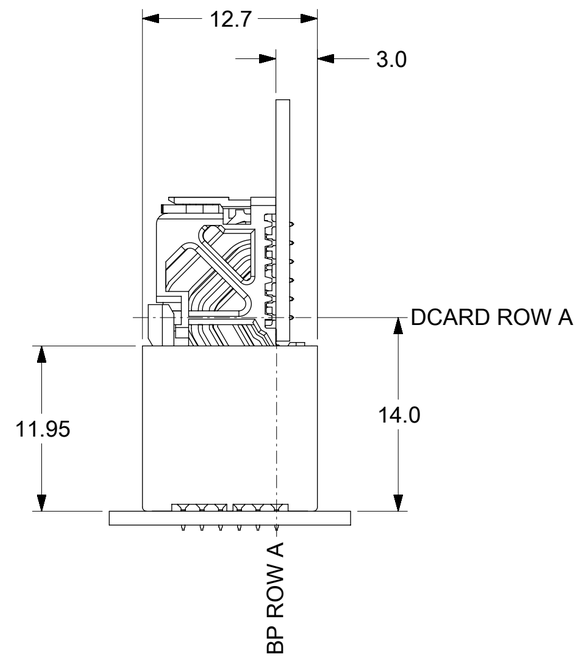
RELEASE STATUS	P1	RELEASE DATE	01.12.2017 12:29:19

FORMAT: master-B-prod-C
REVISION: G
DATE: 2010/02/08

IMPACT 2 PAIR
BOARD RELATIONSHIPS







QUALITY SYMBOLS	
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REMASTERED IN NX 2017/11/09
EC NO: 168852 2017/11/30
DRWN: VNANDAM
CHK'D: CD
APPR: GGA
REV C1

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	JBINGHAM
DATE	2012/02/08
CHK'D BY	JLAURX
DATE	2012/02/08
APPR BY	JLAURX
DATE	2013/02/07
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

molex®

IMPACT 2-PAIR 85-OHM
RIGHT GUIDED BACKPLANE SALES ASSEMBLY
DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
171065	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171065-0003	PSD	001	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	01.12.2017	12:29:19

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