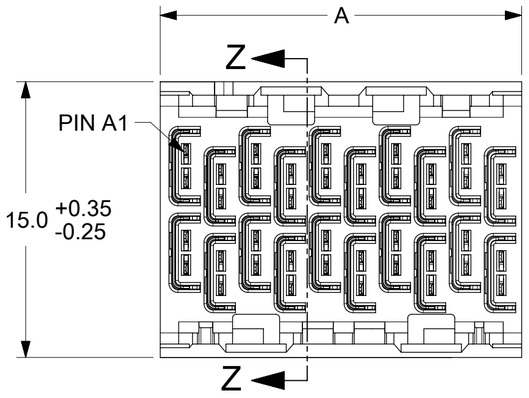
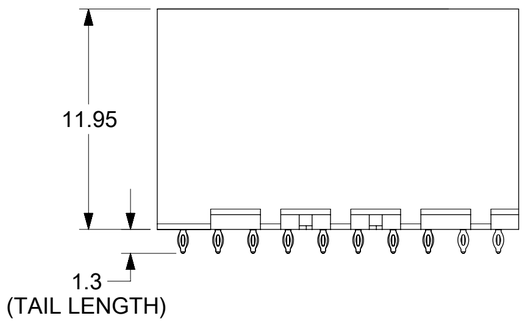
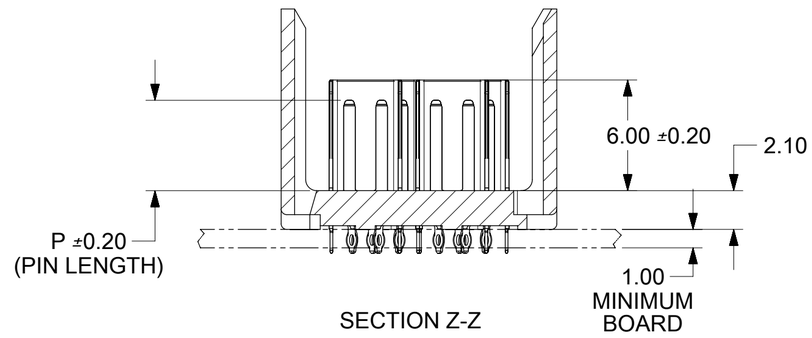
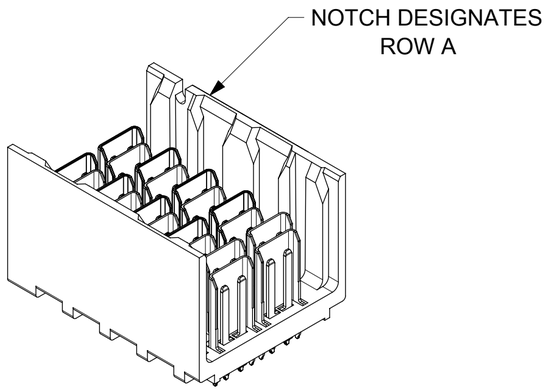


NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30uIN GOLD IN CONTACT AREA.
   SELECTIVE TIN ON PCB TAILS.
   NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
5. PRODUCT WILL BE PACKAGED PER PK-78888-312.
6. SEE SHEETS 2 AND 3 FOR HOLE PATTERN AND MATED PART DIMENSIONS.
7. MATES WITH IMPEL DC SERIES NUMBER 171750.
8. REFER TO IMPEL PCB ROUTING GUIDE AS-171320-990 FOR ANTIPAD, ROUTING RECOMMENDATIONS, AND ADDITIONAL PCB INFORMATION.
9. WHEN STACKING MODULES END TO END, THE MINIMUM COLUMN TO COLUMN SPACING IS 2.65mm.







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: 177983 2017/09/13
DRWN: TMARRI 2018/07/12
CHK'D: DWLEE01 2018/07/12
APPR: DWLEE01 2018/07/12

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	BJANOWIAK
DATE	2012/12/06
CHK'D BY	
DATE	
APPR BY	JBINGHAM
DATE	2014/12/29
DRAWING SIZE	A2
REV	
THIRD ANGLE PROJECTION	

molex®

IMPEL 2 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

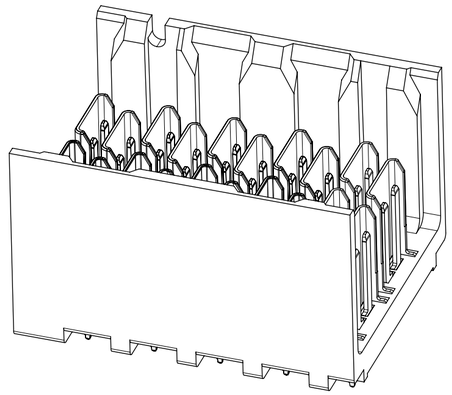
SERIES	MATERIAL NUMBER	CUSTOMER
171745	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171745-0001	PSD	001	1 OF 6

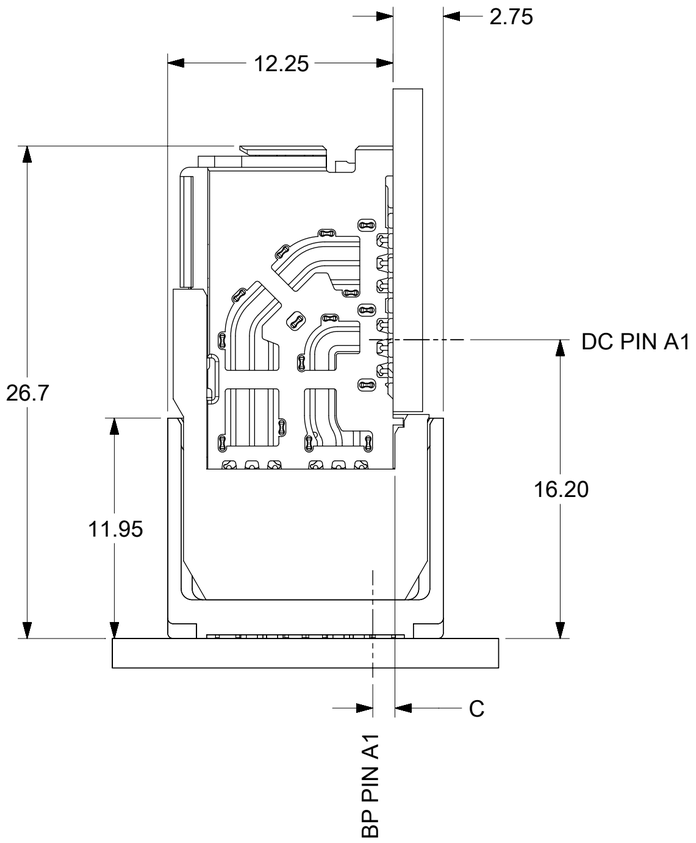
RELEASE STATUS	P1	RELEASE DATE	2018/07/12 06:52:37

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171745-1804	8	16	15.80	13.30	1.10	4.90	0.46±0.05
171745-1805	8	16	15.80	13.30	1.10	5.50	0.46±0.05
171745-1807	8	16	15.80	13.30	1.20	4.90	0.36±0.05
171745-1808	8	16	15.80	13.30	1.20	5.50	0.36±0.05
171745-1104	10	20	19.60	17.10	1.10	4.90	0.46±0.05
171745-1105	10	20	19.60	17.10	1.10	5.50	0.46±0.05
171745-1107	10	20	19.60	17.10	1.20	4.90	0.36±0.05
171745-1108	10	20	19.60	17.10	1.20	5.50	0.36±0.05
171745-1204	12	24	23.40	20.90	1.10	4.90	0.46±0.05
171745-1205	12	24	23.40	20.90	1.10	5.50	0.46±0.05
171745-1207	12	24	23.40	20.90	1.20	4.90	0.36±0.05
171745-1208	12	24	23.40	20.90	1.20	5.50	0.36±0.05
171745-1604	16	32	31.00	28.50	1.10	4.90	0.46±0.05
171745-1605	16	32	31.00	28.50	1.10	5.50	0.46±0.05
171745-1607	16	32	31.00	28.50	1.20	4.90	0.36±0.05
171745-1608	16	32	31.00	28.50	1.20	5.50	0.36±0.05



OPEN
WALL OPTION



MATED PART DIMENSIONS

171745-1 * * *

MODULE TYPE
1 = UNGUIDED

# OF COLUMNS
8 = 8 COL
1 = 10 COL
2 = 12 COL
6 = 16 COL

HOUSING STYLE
0 = OPEN ENDS
1 = LEFT END WALL
2 = DUAL END WALL
3 = RIGHT END WALL

PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.36 PTH)
8 = 5.50 (0.36 PTH)

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: 177983 2017/09/13
DRWN: TMARRI 2018/07/12
CHK'D: DWLEE01
APPR: DWLEE01

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: BJANOWIAK DATE: 2012/12/06
CHK'D BY: DATE:
APPR BY: JBINGHAM DATE: 2014/12/29
DRAWING SIZE: A2 REV
THIRD ANGLE PROJECTION

molex®

IMPEL 2 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

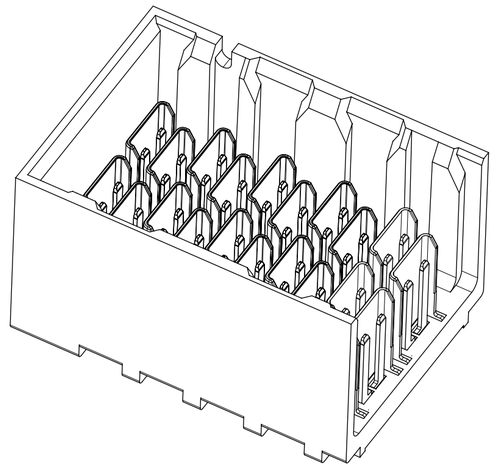
SERIES	MATERIAL NUMBER	CUSTOMER
171745	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171745-0001	PSD	001	2 OF 6

RELEASE STATUS	P1	RELEASE DATE	2018/07/12 06:52:37

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171745-1814	8	16	17.20	13.30	1.10	4.90	0.46±0.05
171745-1815	8	16	17.20	13.30	1.10	5.50	0.46±0.05
171745-1817	8	16	17.20	13.30	1.20	4.90	0.36±0.05
171745-1818	8	16	17.20	13.30	1.20	5.50	0.36±0.05
171745-1114	10	20	21.00	17.10	1.10	4.90	0.46±0.05
171745-1115	10	20	21.00	17.10	1.10	5.50	0.46±0.05
171745-1117	10	20	21.00	17.10	1.20	4.90	0.36±0.05
171745-1118	10	20	21.00	17.10	1.20	5.50	0.36±0.05
171745-1214	12	24	24.80	20.90	1.10	4.90	0.46±0.05
171745-1215	12	24	24.80	20.90	1.10	5.50	0.46±0.05
171745-1217	12	24	24.80	20.90	1.20	4.90	0.36±0.05
171745-1218	12	24	24.80	20.90	1.20	5.50	0.36±0.05
171745-1614	16	32	32.40	28.50	1.10	4.90	0.46±0.05
171745-1615	16	32	32.40	28.50	1.10	5.50	0.46±0.05
171745-1617	16	32	32.40	28.50	1.20	4.90	0.36±0.05
171745-1618	16	32	32.40	28.50	1.20	5.50	0.36±0.05



LEFT END
WALL OPTION

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: 177983 2017/09/13
DRWN: TMARRI 2018/07/12
CHK'D: DWLEE01
APPR: DWLEE01 2018/07/12

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	SCALE
MM	4:1

DRWN BY BJANOWIAK DATE 2012/12/06
CHK'D BY DATE
APPR BY JBINGHAM DATE 2014/12/29

DRAWING SIZE A2 REV
THIRD ANGLE PROJECTION

molex®

IMPEL 2 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

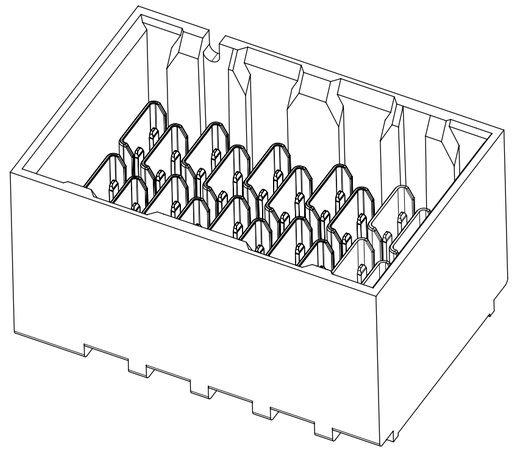
SERIES	MATERIAL NUMBER	CUSTOMER
171745	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171745-0001	PSD	001	3 OF 6

RELEASE STATUS	P1	RELEASE DATE	2018/07/12 06:52:37

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171745-1824	8	16	18.60	13.30	1.10	4.90	0.46±0.05
171745-1825	8	16	18.60	13.30	1.10	5.50	0.46±0.05
171745-1827	8	16	18.60	13.30	1.20	4.90	0.36±0.05
171745-1828	8	16	18.60	13.30	1.20	5.50	0.36±0.05
171745-1124	10	20	22.40	17.10	1.10	4.90	0.46±0.05
171745-1125	10	20	22.40	17.10	1.10	5.50	0.46±0.05
171745-1127	10	20	22.40	17.10	1.20	4.90	0.36±0.05
171745-1128	10	20	22.40	17.10	1.20	5.50	0.36±0.05
171745-1224	12	24	26.20	20.90	1.10	4.90	0.46±0.05
171745-1225	12	24	26.20	20.90	1.10	5.50	0.46±0.05
171745-1227	12	24	26.20	20.90	1.20	4.90	0.36±0.05
171745-1228	12	24	26.20	20.90	1.20	5.50	0.36±0.05
171745-1624	16	32	33.80	28.50	1.10	4.90	0.46±0.05
171745-1625	16	32	33.80	28.50	1.10	5.50	0.46±0.05
171745-1627	16	32	33.80	28.50	1.20	4.90	0.36±0.05
171745-1628	16	32	33.80	28.50	1.20	5.50	0.36±0.05



DUAL END WALL OPTION

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MIGRATED TO NX
EC NO: 177983 2017/09/13
DRWN: TMARRI 2018/07/12
CHK'D: DWLEE01
APPR: DWLEE01 2018/07/12

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	SCALE
MM	4:1

DRWN BY BJANOWIAK DATE 2012/12/06
CHK'D BY DATE
APPR BY JBINGHAM DATE 2014/12/29

DRAWING SIZE A2 REV
THIRD ANGLE PROJECTION

molex®

IMPEL 2 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

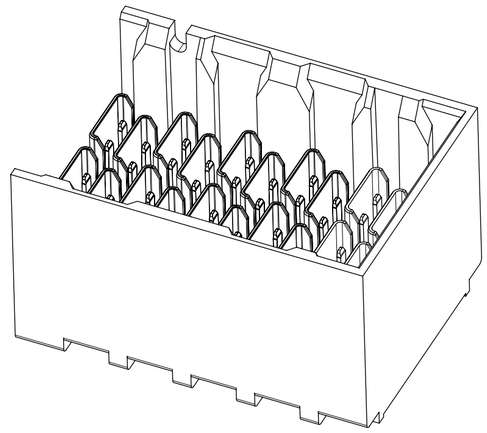
SERIES	MATERIAL NUMBER	CUSTOMER
171745	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171745-0001	PSD	001	4 OF 6

RELEASE STATUS	P1	RELEASE DATE	2018/07/12 06:52:37

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171745-1834	8	16	17.20	13.30	1.10	4.90	0.46±0.05
171745-1835	8	16	17.20	13.30	1.10	5.50	0.46±0.05
171745-1837	8	16	17.20	13.30	1.20	4.90	0.36±0.05
171745-1838	8	16	17.20	13.30	1.20	5.50	0.36±0.05
171745-1134	10	20	21.00	17.10	1.10	4.90	0.46±0.05
171745-1135	10	20	21.00	17.10	1.10	5.50	0.46±0.05
171745-1137	10	20	21.00	17.10	1.20	4.90	0.36±0.05
171745-1138	10	20	21.00	17.10	1.20	5.50	0.36±0.05
171745-1234	12	24	24.80	20.90	1.10	4.90	0.46±0.05
171745-1235	12	24	24.80	20.90	1.10	5.50	0.46±0.05
171745-1237	12	24	24.80	20.90	1.20	4.90	0.36±0.05
171745-1238	12	24	24.80	20.90	1.20	5.50	0.36±0.05
171745-1634	16	32	32.40	28.50	1.10	4.90	0.46±0.05
171745-1635	16	32	32.40	28.50	1.10	5.50	0.46±0.05
171745-1637	16	32	32.40	28.50	1.20	4.90	0.36±0.05
171745-1638	16	32	32.40	28.50	1.20	5.50	0.36±0.05



RIGHT END WALL OPTION

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: 177983 2017/09/13
DRWN: TMARRI 2018/07/12
CHK'D: DWLEE01
APPR: DWLEE01 2018/07/12

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	SCALE
MM	4:1

DRWN BY BJANOWIAK DATE 2012/12/06
CHK'D BY DATE
APPR BY JBINGHAM DATE 2014/12/29

DRAWING SIZE A2 REV
THIRD ANGLE PROJECTION C

molex®

IMPEL 2 PAIR BACKPLANE UNGUIDED ASSEMBLY SALES DRAWING

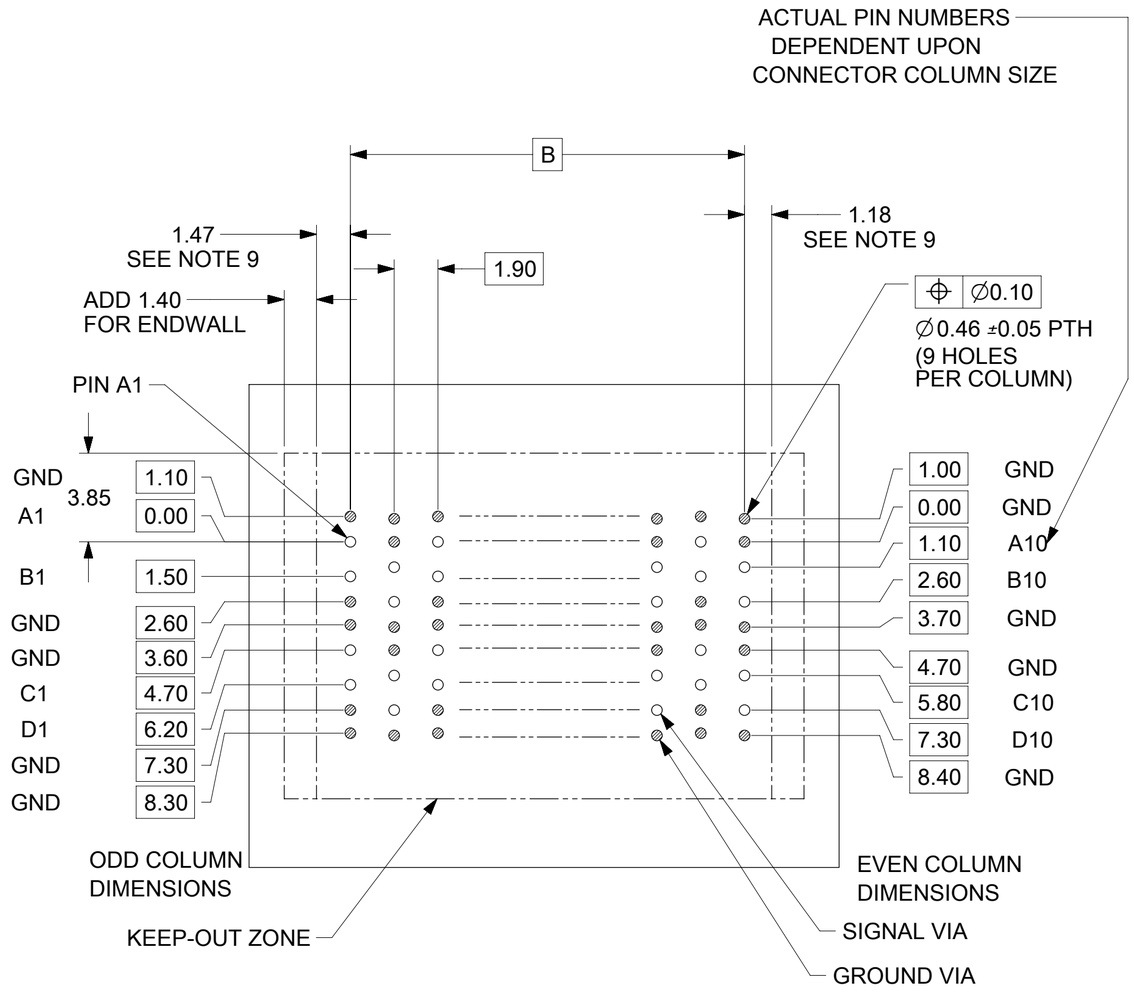
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
171745	SEE CHART	GENERAL MARKET

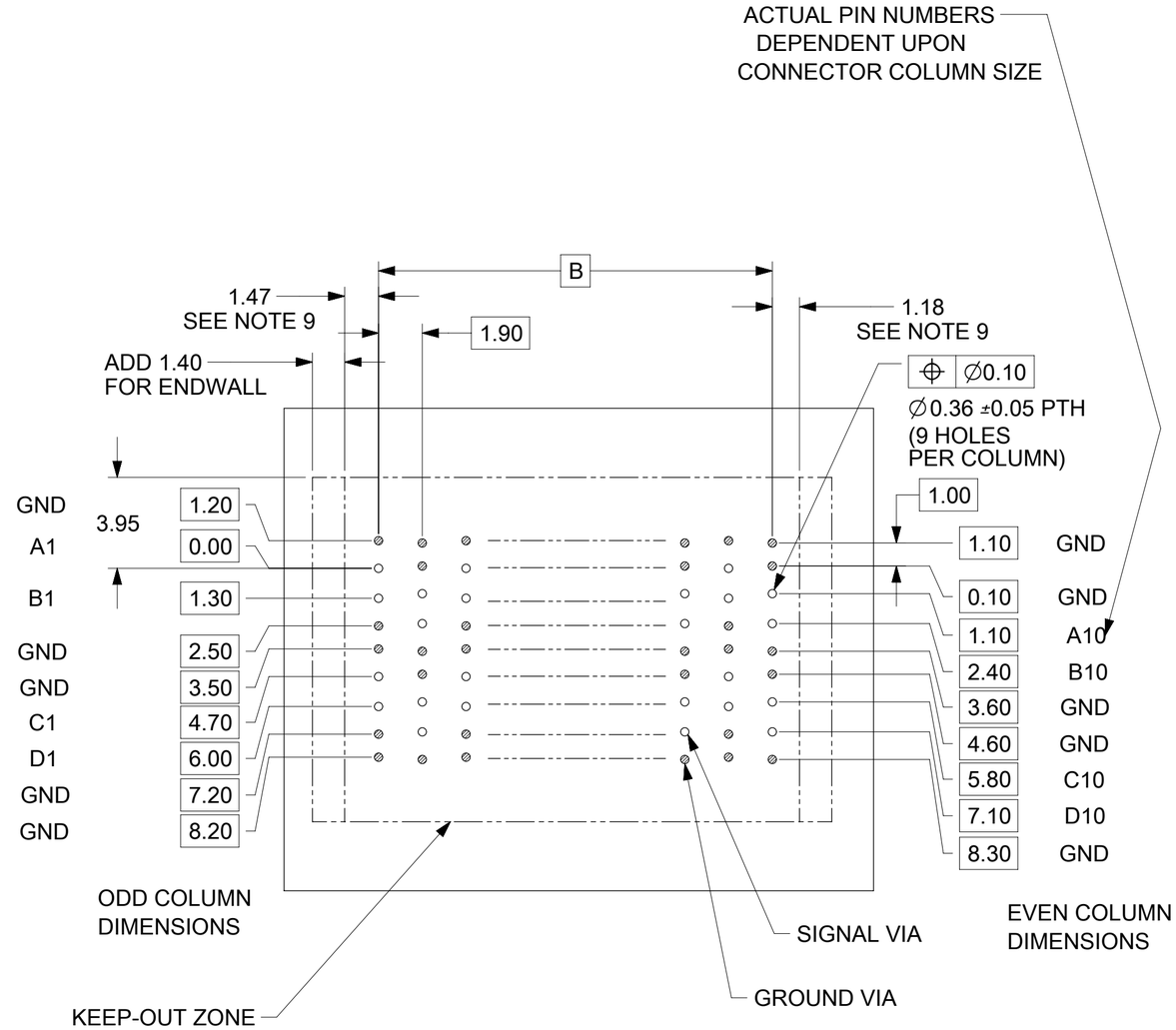
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171745-0001	PSD	001	5 OF 6

RELEASE STATUS	P1	RELEASE DATE	2018/07/12 06:52:37

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



BACKPLANE HOLE PATTERN
FOR ∅0.46 PTH
(CONNECTOR SIDE)



BACKPLANE HOLE PATTERN
FOR ∅0.36 PTH
(CONNECTOR SIDE)

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: 177983	2017/09/13		
DRWN: TMARRI	2018/07/12		
CHK'D: DWLEE01	2018/07/12		
APPR: DWLEE01			

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	5:1
DRWN BY	BJANOWIAK
DATE	2012/12/06
CHK'D BY	
DATE	
APPR BY	JBINGHAM
DATE	2014/12/29
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

molex®

IMPEL 2 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
171745	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-171745-0001	PSD	001	6 OF 6

A2 REV

RELEASE STATUS	P1	RELEASE DATE	2018/07/12 06:52:37

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2016/02/06