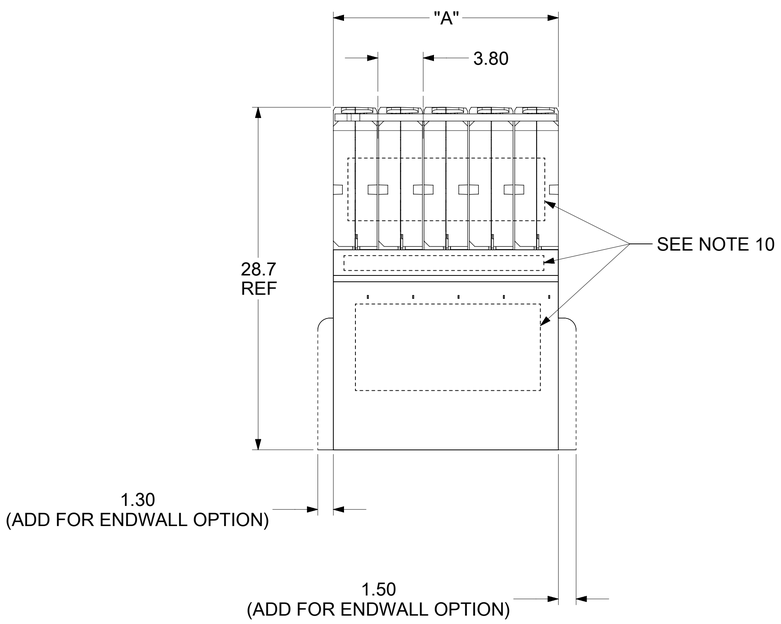
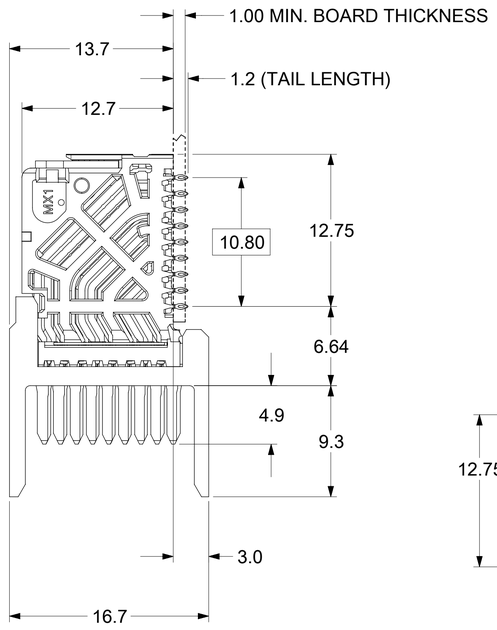
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A" MAX	DIM "B"	PTH ∅
170510-18**	8	24	15.20	13.30	0.46±0.05
170510-11**	10	30	19.00	17.10	
170510-18**	8	24	15.20	13.30	0.39±0.05
170510-11**	10	30	19.00	17.10	

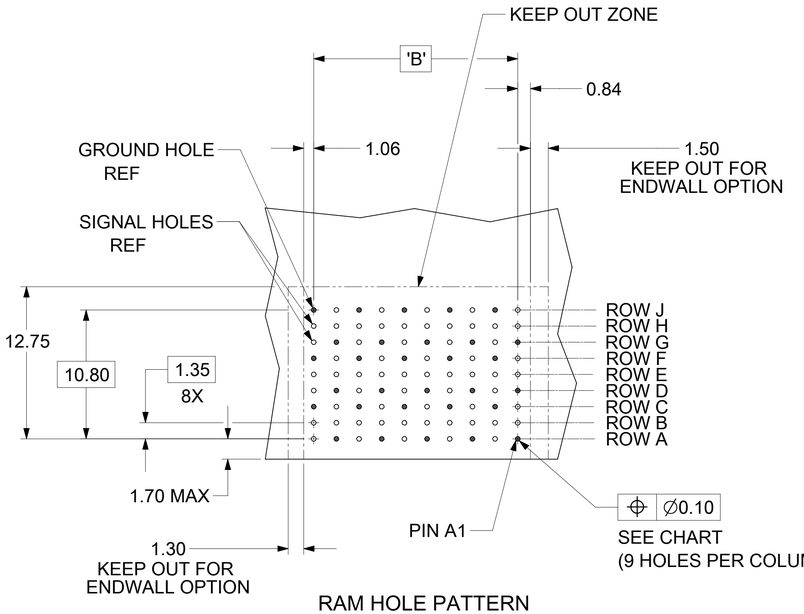
170510-1***

- MODULE TYPE: 1 = UNGUIDED, LEAD-FREE
- # OF COLUMNS: 1 = 10 COLUMNS; 8 = 8 COLUMNS
- PIN LENGTH (P): 4 = 4.90 (0.46 PTH); 5 = 5.50 (0.46 PTH); 7 = 4.90 (0.39 PTH); 8 = 5.50 (0.39 PTH)
- END WALL OPTIONS: 0 = OPEN ENDS; 1 = LEFT ENDWALL; 2 = DUAL ENDWALL; 3 = RIGHT ENDWALL

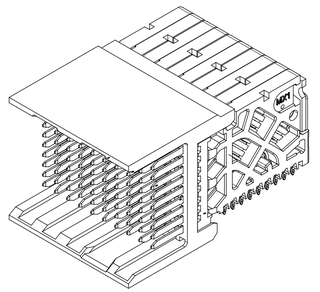
NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µIN SELECTIVE GOLD IN CONTACT AREA, SELECTIVE TIN ON PCB TAILS, NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-170540-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
5. PRODUCT IS PACKAGED PER PK-70873-041.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
7. REFER TO MOLEX SALES DRAWING SD-170530-0001 FOR THE MATING RECEPTACLES.
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
9. GROUND PATHS ARE NOT DISCRETE CIRCUITS.
10. MARKING: LOCATED APPROXIMATELY AS SHOWN. PART NUMBER AND DATE CODE.



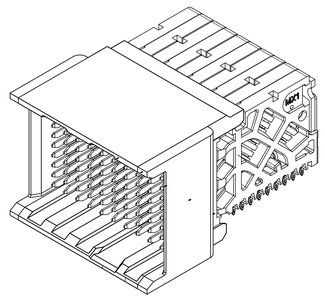




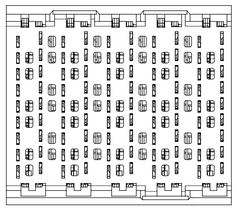
RAM HOLE PATTERN
(CONNECTOR SIDE)



OPEN END OPTION



DUAL WALL OPTION



DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13 03:05:07

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

DIMENSION UNITS	SCALE
mm	NTS

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

CURRENT REV DESC: REMASTERED TO NX AND UPDATED MATING RECEPTACLE DRAWING NUMBER IN NOTE 7.

EC NO: 705090

DRWN:	PMAHADEVAPPA	2019/05/14
CHK'D:	TMARRI	2019/12/13
APPR:	LZENG	2022/05/13

INITIAL REVISION:

DRWN:	MKRAUSE	2013/05/31
APPR:	MKRAUSE	2013/06/21

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 170510

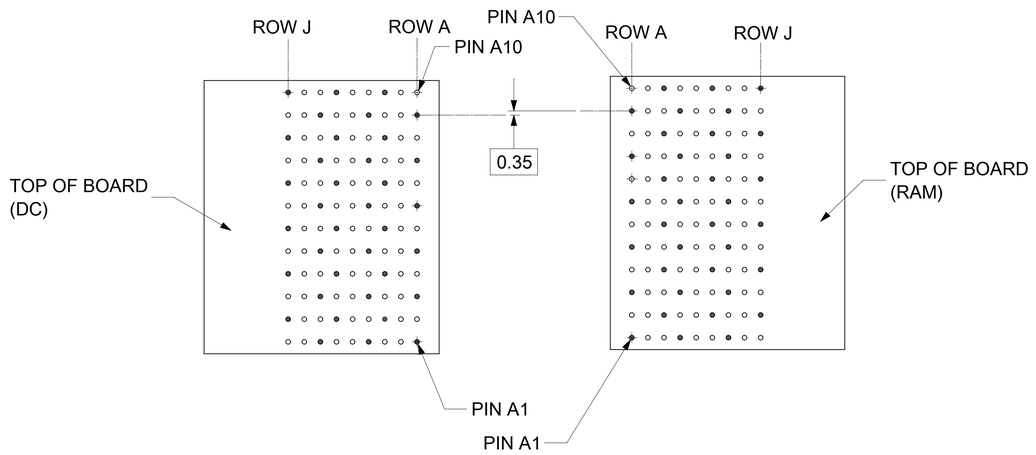
molex

IMPACT 3P 85 OHM RAM
SIGNAL MODULE ASSEMBLY UNGUIDED SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-170510-0002	PSD	001	A4

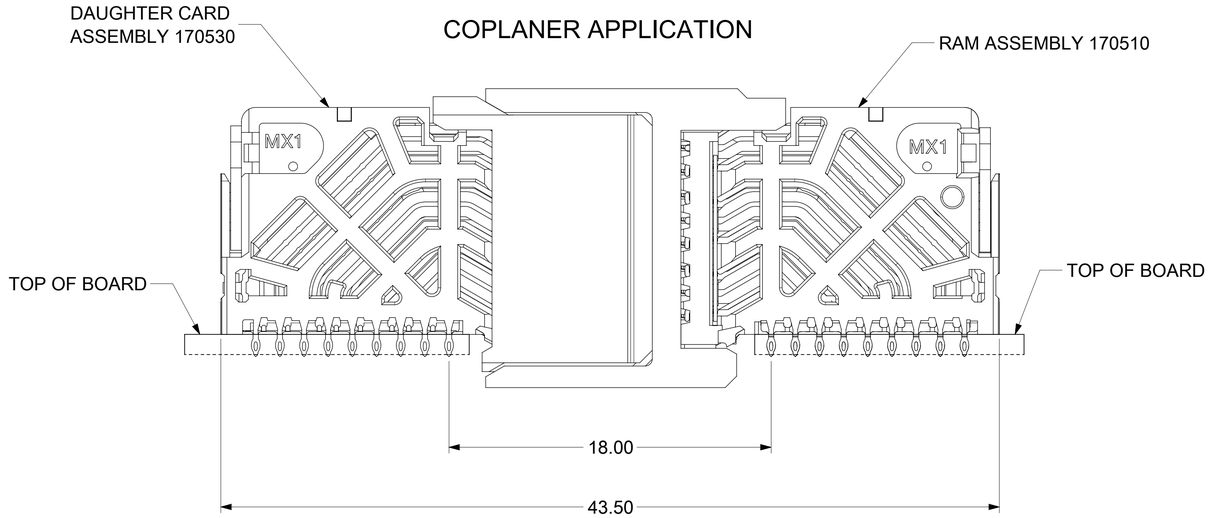
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 2



COPLANAR MATED SIGNAL PATHS

DC PIN A10----------RAM PIN A10
| |
| |
DC PIN A1----------RAM PIN A1

COPLANER APPLICATION



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

DIMENSION UNITS	SCALE
mm	NTS

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

CURRENT REV DESC: REMASTERED TO NX AND UPDATED MATING RECEPTACLE DRAWING NUMBER IN NOTE 7.

EC NO: 705090
DRWN: PMAHADEVAPPA 2019/05/14
CHK'D: TMARRI 2019/12/13
APPR: LZENG 2022/05/13

INITIAL REVISION:
DRWN: MKRAUSE 2013/05/31
APPR: MKRAUSE 2013/06/21

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 170510

molex

IMPACT 3P 85 OHM RAM
SIGNAL MODULE ASSEMBLY UNGUIDED SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-170510-0002	PSD	001	A4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 2

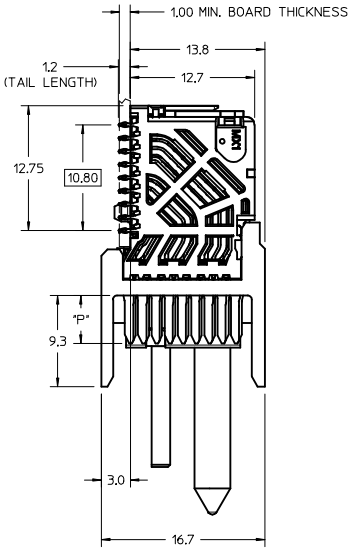
DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13 03:05:07

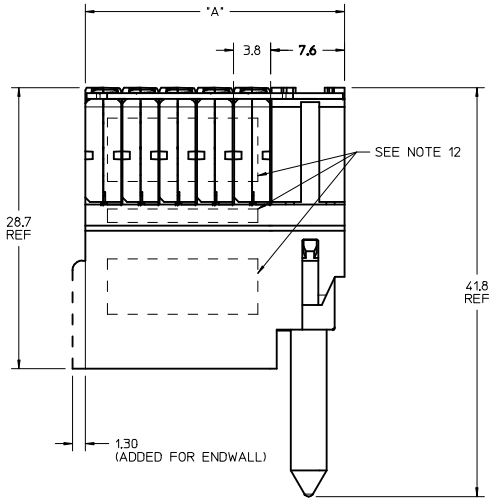
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A" MAX	DIM "B"	PTH ø
170510-*8**	8	24	22.80	13.30	0.46±0.05
170510-*8**					0.39±0.05
170510-*1**	10	30	26.60	17.10	0.46±0.05
170510-*1**					0.39±0.05

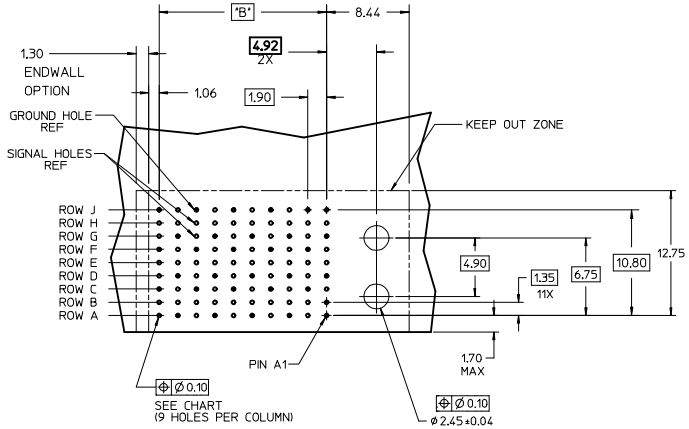
170510-****

- MODULE TYPE
  - 5 = RIGHT GUIDED, LEAD-FREE
  - 9 = RIGHT GUIDED, LEAD-FREE W/ ENDWALL
- # OF COLUMNS
  - 1 = 10 COLUMNS
  - 8 = 8 COLUMNS
- PIN LENGTH (P)
  - 4 = 4.90 (0.46 PTH)
  - 5 = 5.50 (0.46 PTH)
  - 7 = 4.90 (0.39 PTH)
  - 8 = 5.50 (0.39 PTH)
- KEY ORIENTATION
  - 0 = NO KEY
  - 1 = A 5 = E
  - 2 = B 6 = F
  - 3 = C 7 = G
  - 4 = D 8 = H

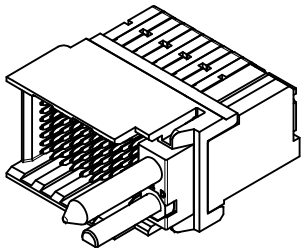
NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µIN SELECTIVE GOLD IN CONTACT AREA, SELECTIVE TIN ON PCB TAILS, NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-170540-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
5. PRODUCT IS PACKAGED PER PK-70873-041.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
7. REFER TO MOLEX SALES DRAWING SD-170340-002 FOR THE MATING RECEPTACLES.
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
9. CONNECTORS SUPPLIED WITH A 2-32 SCREW 73726-0000 (9.5mm ±.38mm THREADABLE SCREW LENGTH). THE MAX BOARD THICKNESS IS 4.4mm.
10. GUIDE RIGHT RAM MATES WITH A GUIDE LEFT DAUGHTERCARD.
11. GROUND PATHS ARE NOT DISCRETE CIRCUITS.
12. MARKING: LOCATED APPROXIMATELY AS SHOWN. PART NUMBER AND DATE CODE.



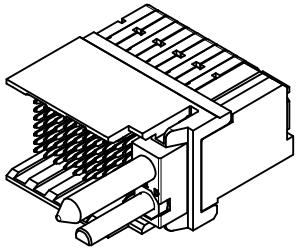




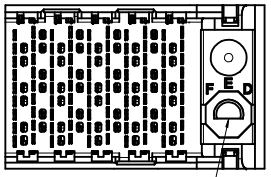
RAM HOLE PATTERN
(CONNECTOR SIDE)



ENDWALL OPTION



OPEN END OPTION



KEY SHOWN
IN POSITION A

RMVD 12, 14, 16-COL OPTIONS 2017/05/17
EC NO: UCP2017-2489 2017/05/22
DRWN: DJVARVARA
CHKD:
APPR: TELO
DESCRIPTION
REV

QUALITY SYMBOLS
⌀=0
⌀=0
⌀=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

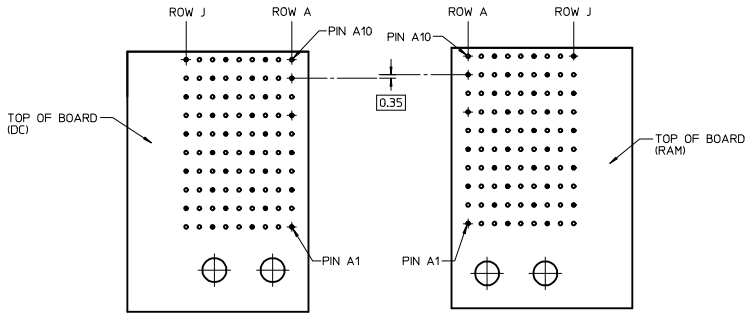
DRAWN BY: MKRAUSE DATE: 2013/05/31
CHECKED BY: TELO DATE: 2016/02/22
APPROVED BY: TELO DATE: 2014/03/19
MATERIAL NO.: SEE CHART

TITLE: IMPACT 3P 85 OHM RAM RIGHT GUIDED ASSEMBLY SALES DRAWING

molex

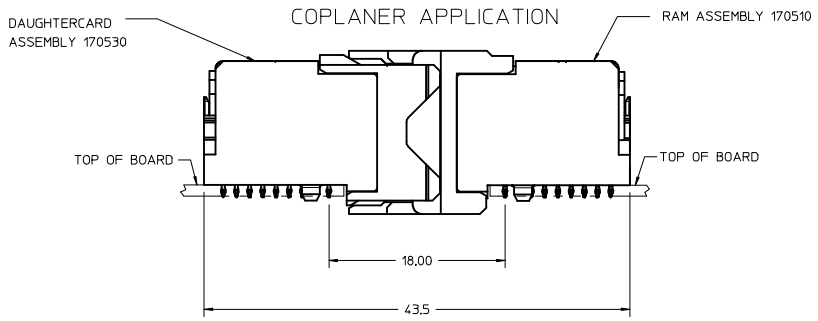
DOCUMENT NO.: SD-170510-0004
SHEET NO.: 1 OF 2
SIZE: D
A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



COPLANAR MATED SIGNAL PATHS

DC PIN A10----------RAM PIN A10
|
|
DC PIN A1----------RAM PIN A1



PROPOSED EC NO: UCP2017-2489 DRWN:DJVARVARA CHKD: APPR:TELO	2017/05/17 2017/05/22	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE: MM ONLY	SCALE: 4:1 / DESIGN UNITS: METRIC / THIRD ANGLE PROJECTION
					mm / INCH	DRAWN BY: MKRAUSE DATE: 2013/05/31	TITLE: IMPACT 3P 85 OHM RAM RIGHT GUIDED ASSEMBLY SALES DRAWING
				▽=0	4 PLACES ± --- / ± ---	CHECKED BY: TELO DATE: 2016/02/22	
				▽=0	3 PLACES ± --- / ± ---	APPROVED BY: TELO DATE: 2014/03/19	molex
				▽=0	2 PLACES ± 0.13 / ± ---	MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-170510-0004 / SHEET NO.: 2 OF 2
					1 PLACE ± 0.25 / ± ---		
					0 PLACE ± --- / ± ---		
					ANGULAR ±1/2°		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE: D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
						A2	