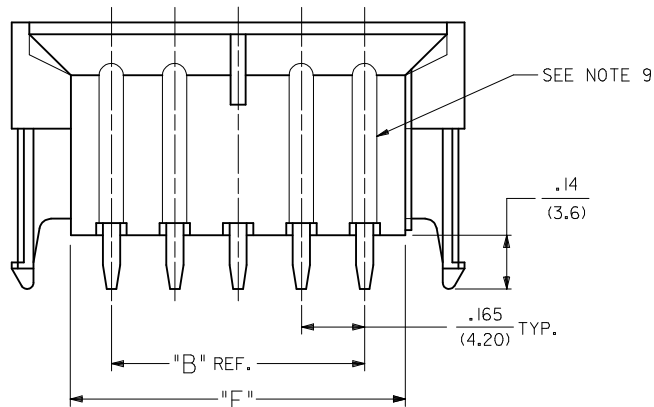
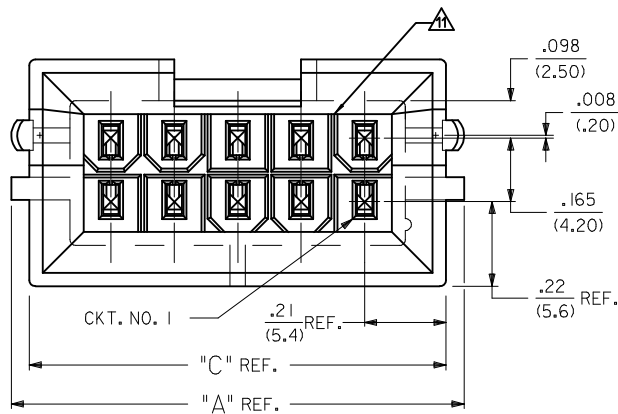
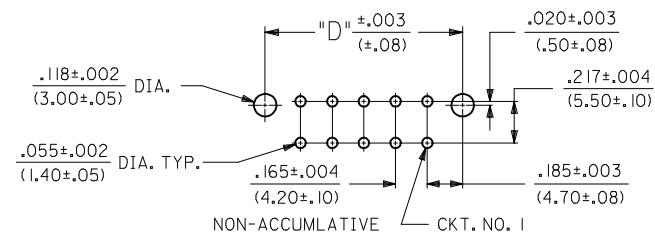


LEGEND:

A - 42440 - *** *
 BASE NUMBER - PLATING (SEE NOTE 2.)
 CIRCUIT SIZE (02-24) - HOUSING MAT'L. & OPTIONS (SEE NOTE 1.)

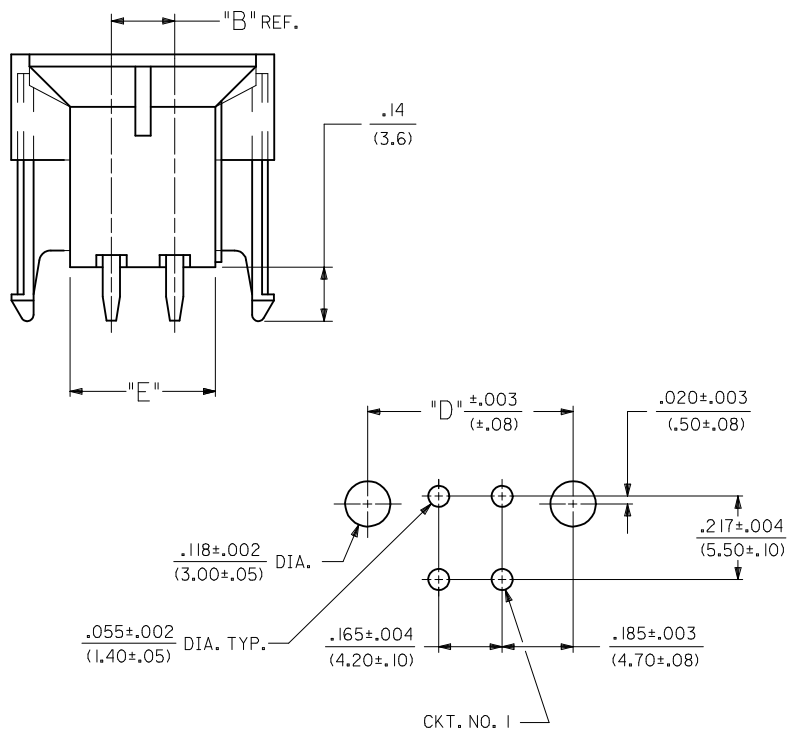
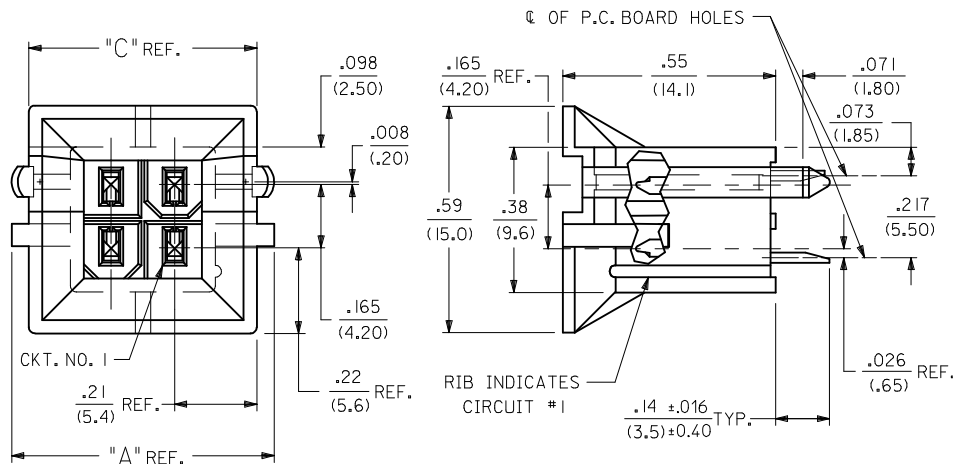


RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD
 (SCALE: 2X)

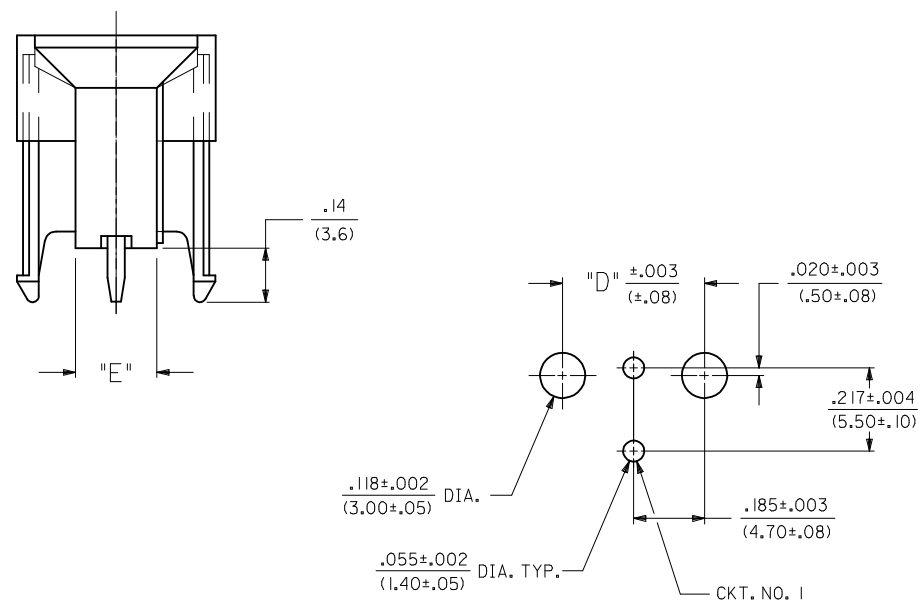
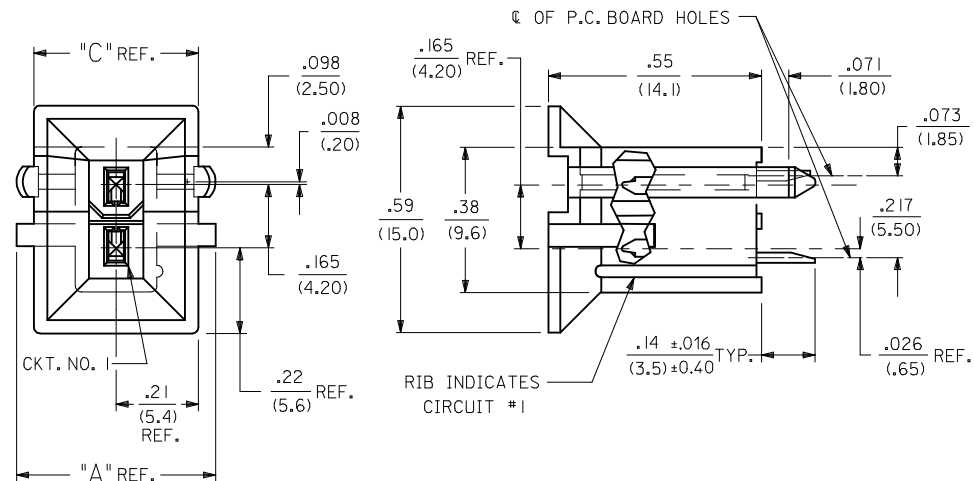
CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
2	.520 (13.20)	—	.425 (10.80)	.370 (9.40)	.21 (5.4)
4	.685 (17.40)	.17 (4.2)	.590 (15.00)	.535 (13.60)	.38 (9.6)
6	.850 (21.60)	.33 (8.4)	.756 (19.20)	.701 (17.80)	.54 (13.8)
8	1.016 (25.80)	.50 (12.6)	.921 (23.40)	.866 (22.00)	.71 (18.0)
10	1.181 (30.00)	.66 (16.8)	1.087 (27.60)	1.031 (26.20)	.87 (22.2)
12	1.346 (34.20)	.83 (21.0)	1.252 (31.80)	1.197 (30.40)	1.04 (26.4)
14	1.512 (38.40)	.99 (25.2)	1.417 (36.00)	1.362 (34.60)	1.20 (30.6)
16	1.677 (42.60)	1.16 (29.4)	1.583 (40.20)	1.528 (38.80)	1.37 (34.8)
18	1.843 (46.80)	1.32 (33.6)	1.748 (44.40)	1.693 (43.00)	1.54 (39.0)
20	2.008 (51.00)	1.49 (37.8)	1.913 (48.60)	1.858 (47.20)	1.70 (43.2)
22	2.173 (55.20)	1.65 (42.0)	2.079 (52.80)	2.024 (51.40)	1.87 (47.4)
24	2.339 (59.40)	1.82 (46.2)	2.244 (57.00)	2.189 (55.60)	2.03 (51.6)

---22, ---23	42474---21, 5556-GS*P	94V-0	BRASS	GOLD
---12, ---13	42474---11, 5556-GS*P	94V-2	BRASS	TIN
---21	42474---21, 5556-S*P	94V-0	BRASS	TIN
---11	42474---11, 5556-S*P	94V-2	BRASS	TIN
---22, ---23, ---12, ---13, ---21	A-42385---B2, ---B4	94V-0	BRASS	GOLD
---12, ---13, ---21	A-42385---A2, ---A4	94V-2	BRASS	TIN
---21	A-42385---B1	94V-0	BRASS	TIN
---11	A-42385---A1	94V-2	BRASS	TIN
VERT. HEADER A-42440	MATING CONNECTOR	HSG. MAT'L. TERM. MAT'L. PLATING	MATING CONNECTOR FEATURES	

ADD 0.40 TOL EC NO: UCP2013-0706 2012/08/20 DRAWN: NGUYEN CHKD: JELL 2012/08/20 APPR: FSMITH 2012/09/05	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± .025 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ± 5 °	DIMENSION STYLE IN/MM DRAWN BY GEP DATE 1989/04/06 CHECKED BY RJF DATE 1989/04/06 APPROVED BY FSMITH DATE 2011/02/11	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MINI-FIT B.M.I. VERTICAL HEADER ASSY MOLEX INCORPORATED SDA-42440-**** 1 OF 4
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

SEE SHEET 1 EC NO: UCP2013-0706 2012/08/20 DRAWN: NGUYEN 2012/08/20 CHKD: J.BELL 2012/09/05 APPR: F.S.MITH	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± .025 ± .015 1 PLACE ± .038 ± --- ANGULAR ± 5 °	DIMENSION STYLE IN/MM DRAWN BY: GEP DATE: 1989/04/06 CHECKED BY: R.J.F. DATE: 1989/04/06 APPROVED BY: F.S.MITH DATE: 2011/02/11	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MINI-FIT B.M.I. VERTICAL HEADER ASSY MOLEX INCORPORATED SDA-42440-****	SHEET NO. 2 OF 4

NOTES:

1) MATERIAL:

HOUSING MATERIAL:

1 = NYLON 6/6, UNFILLED UL 94V-2, COLOR: NATURAL

2 = NYLON 6/6, UNFILLED UL 94V-0, COLOR: NATURAL

TERMINALS: BRASS

2) TERMINAL PLATING:

S = .000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL

GS = .000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN.

SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

GS3 = .000050/(0.00127) MIN. SELECT GOLD AND .000100/(0.00254) MIN.

SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-002

4) PACKAGING: SEE CHARTS

5) 6-24 CIRCUIT PARTS MATE WITH MINI-FIT JR. RECEPTACLES 5557, 42474, 44516 AND HEADERS 42385; 2 AND 4 CIRCUIT PARTS MATE WITH 42385,44516 AND 42474 ONLY.

6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.

7) CONNECTOR IS NOT DESIGNED FOR CURRENT SHARING.

8) CONNECTOR ASSEMBLIES ARE NOT BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

9) RIB LOCATION IS DETERMINED BY MOLD DESIGN FOR MANUFACTURING EASE AND THE LOCATION DOES NOT AFFECT PART FUNCTION OR PERFORMANCE. LOCATION OF RIBS MAY VARY ON PARTS WITHIN MAUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATIONS.

10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

11) 12 CIRCUIT PARTS HAVE A SLOT BETWEEN CIRCUITS 7 AND 8.

SEE SHEET 1 EC NO: UCP2013-0706 2012/08/20 DRAWN:NGUYEN CHKD:JBELL 2012/08/20 APPR:FSMITH 2012/09/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY GEP	DATE 1989/04/06	TITLE MINI-FIT B.M.I. VERTICAL HEADER ASSY			
			4 PLACES ± ---	± ---	CHECKED BY RJF	DATE 1989/04/06				
			3 PLACES ± ---	± .010	APPROVED BY FSMITH		DATE 2011/02/11	MOLEX INCORPORATED		SHEET NO. 3 OF 4
Q5			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SDA-42440-****		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

	13		12		11		10		9		8		7		6		5		4		3		2		1		
J	PLATING:	TIN (SEE NOTE 2 OPTION 'S')				PLATING:	TIN (SEE NOTE 2 OPTION 'S')				PLATING:	30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS')				PLATING:	30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS')										
	DRAINS:	WITHOUT DRAIN HOLES				DRAINS:	WITHOUT DRAIN HOLES				DRAINS:	WITHOUT DRAIN HOLES				DRAINS:	WITHOUT DRAIN HOLES										
	PEGS:	WITH PEGS				PEGS:	WITH PEGS				PEGS:	WITH PEGS				PEGS:	WITH PEGS										
	MAT'L:	94V-2 [NATURAL]				MAT'L:	94V-2 [NATURAL]				MAT'L:	94V-2 [NATURAL]				MAT'L:	94V-2 [NATURAL]										
	PACKAGING:	TRAY PER PK-42440-001				PACKAGING:	TRAY PER PK-42440-001				PACKAGING:	TRAY PER PK-42440-001				PACKAGING:	TRAY PER PK-42440-001										
I	PART NO.	ENG NO.			CKTS	PART NO.	ENG NO.			CKTS	PART NO.	ENG NO.			CKTS	PART NO.	ENG NO.			CKTS							
	NO EDP	A-42440-021I		-	2	NO EDP	A-42440-022I		-	2	NO EDP	A-42440-0212		-	2	NO EDP	A-42440-0222		-	2							
	I5-24-604I	A-42440-041I		-	4	I5-24-6042	A-42440-042I		-	4	I5-28-604I	A-42440-0412		-	4	I5-28-6042	A-42440-0422		-	4							
	I5-24-606I	A-42440-061I		-	6	I5-24-6062	A-42440-062I		-	6	I5-28-606I	A-42440-0612		-	6	I5-28-6062	A-42440-0622		-	6							
	NO EDP	A-42440-081I		-	8	NO EDP	A-42440-082I		-	8	NO EDP	A-42440-0812		-	8	NO EDP	A-42440-0822		-	8							
	I5-24-610I	A-42440-101I		-	10	I5-24-6102	A-42440-102I		-	10	I5-28-610I	A-42440-1012		-	10	I5-28-6102	A-42440-1022		-	10							
H	I5-24-612I	A-42440-121I		-	12	I5-24-6122	A-42440-122I		-	12	I5-28-612I	A-42440-1212		-	12	I5-28-6122	A-42440-1222		-	12							
	I5-24-614I	A-42440-141I		-	14	I5-24-6142	A-42440-142I		-	14	I5-28-614I	A-42440-1412		-	14	I5-28-6142	A-42440-1422		-	14							
	I5-24-616I	A-42440-161I		-	16	I5-24-6162	A-42440-162I		-	16	I5-28-616I	A-42440-1612		-	16	NO EDP	A-42440-1622		-	16							
	I5-24-618I	A-42440-181I		-	18	I5-24-6182	A-42440-182I		-	18	I5-28-618I	A-42440-1812		-	18	I5-28-6182	A-42440-1822		-	18							
	NO EDP	A-42440-201I		-	20	NO EDP	A-42440-202I		-	20	NO EDP	A-42440-2012		-	20	NO EDP	A-42440-2022		-	20							
	NO EDP	A-42440-221I		-	22	NO EDP	A-42440-222I		-	22	NO EDP	A-42440-2212		-	22	NO EDP	A-42440-2222		-	22							
G	I5-24-624I	A-42440-241I		-	24	I5-24-6242	A-42440-242I		-	24	I5-28-624I	A-42440-2412		-	24	I5-28-6242	A-42440-2422		-	24							
		-					-					-					-										
		-					-					-					-										
F	PLATING:	50 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS3')				PLATING:	50 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS3')				PLATING:					PLATING:											
	DRAINS:	WITHOUT DRAIN HOLES				DRAINS:	WITHOUT DRAIN HOLES				DRAINS:					DRAINS:											
	PEGS:	WITH PEGS				PEGS:	WITH PEGS				PEGS:					PEGS:											
	MAT'L:	94V-2 [NATURAL]				MAT'L:	94V-2 [NATURAL]				MAT'L:					MAT'L:											
	PACKAGING:	TRAY PER PK-42440-001				PACKAGING:	TRAY PER PK-42440-001				PACKAGING:					PACKAGING:											
E	PART NO.	ENG NO.			CKTS	PART NO.	ENG NO.			CKTS	PART NO.	ENG NO.			CKTS	PART NO.	ENG NO.			CKTS							
	NO EDP	A-42440-0213		-	2	NO EDP	A-42440-0223		-	2	NO EDP	-		-	2	NO EDP	-		-	2							
	NO EDP	A-42440-0413		-	4	NO EDP	A-42440-0423		-	4	NO EDP	-		-	4	NO EDP	-		-	4							
	NO EDP	A-42440-0613		-	6	NO EDP	A-42440-0623		-	6	NO EDP	-		-	6	NO EDP	-		-	6							
	NO EDP	A-42440-0813		-	8	NO EDP	A-42440-0823		-	8	NO EDP	-		-	8	NO EDP	-		-	8							
	NO EDP	A-42440-1013		-	10	NO EDP	A-42440-1023		-	10	NO EDP	-		-	10	NO EDP	-		-	10							
	NO EDP	A-42440-1213		-	12	NO EDP	A-42440-1223		-	12	NO EDP	-		-	12	NO EDP	-		-	12							
	NO EDP	A-42440-1413		-	14	NO EDP	A-42440-1423		-	14	NO EDP	-		-	14	NO EDP	-		-	14							
	NO EDP	A-42440-1613		-	16	NO EDP	A-42440-1623		-	16	NO EDP	-		-	16	NO EDP	-		-	16							
	NO EDP	A-42440-1813		-	18	NO EDP	A-42440-1823		-	18	NO EDP	-		-	18	NO EDP	-		-	18							
	NO EDP	A-42440-2013		-	20	NO EDP	A-42440-2023		-	20	NO EDP	-		-	20	NO EDP	-		-	20							
	NO EDP	A-42440-2213		-	22	NO EDP	A-42440-2223		-	22	NO EDP	-		-	22	NO EDP	-		-	22							
D	NO EDP	A-42440-2413		-	24	NO EDP	A-42440-2423		-	24	NO EDP	-		-	24	NO EDP	-		-	24							
		-					-					-					-										
C		-					-					-					-										
	B	A	SEE SHEET 1 EC NO: UCP2013-0706 DRAWN: NGUYEN 2012/08/20 CHKD: J.BELL 2012/08/20 APPR: F.SMITH	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE	MINI-FIT B.M.I. VERTICAL HEADER ASSY	MATERIAL NO.	DOCUMENT NO.	SHEET NO.										
								IN/MM																			
								4 PLACES ± ---	± ---																		
								3 PLACES ± ---	± .010																		
								2 PLACES ± 0.25	± .015																		
								1 PLACE ± 0.38	± ---																		
								ANGULAR ± 5 °																			
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																			
								SEE CHART																			
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
								4 OF 4																			

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