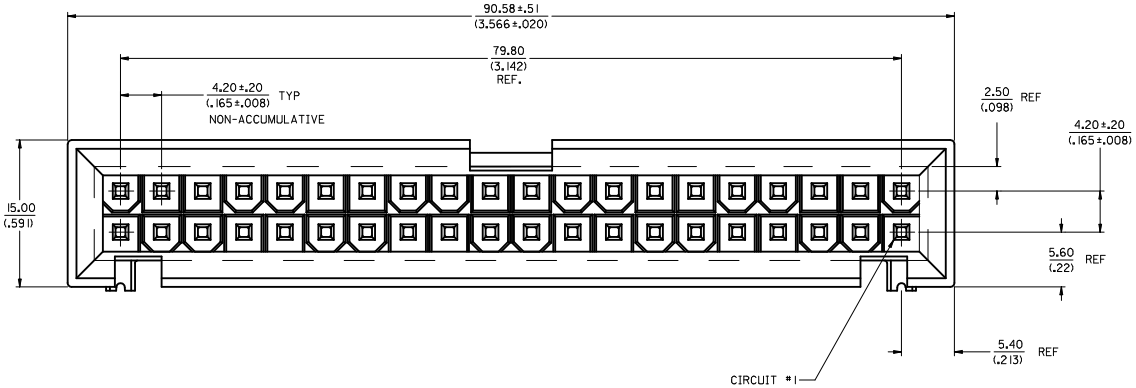

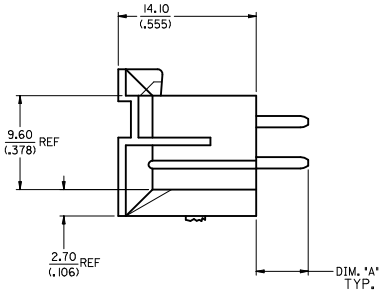

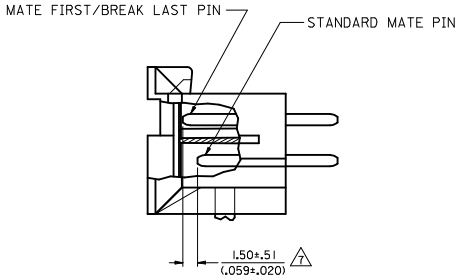

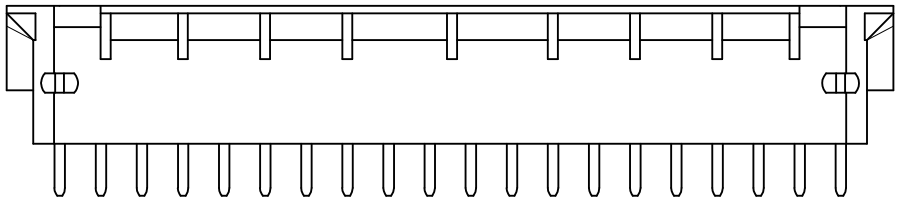

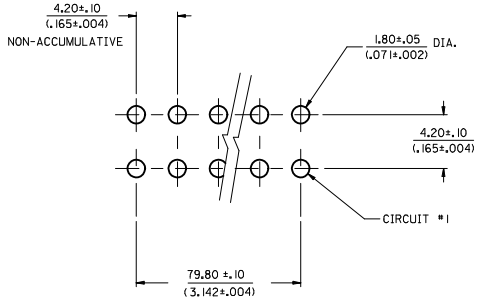

PCB LAYOUT: COMPONENT SIDE

1.60/(.063) RECOMMENDED MINIMUM PCB THICKNESS

NOTES:

1) MATERIAL
   HOUSING
   NYLON 46, CLASS-FILLED,UL94V-0
   COLOR - BLACK

   TERMINAL PIN: BRASS ALLOY
2) FINISH
   1= 0.00254 /(.000100) MIN. BRIGHT TIN OVER
   0.00127/(.000050) MIN. NICKEL
   2= 0.00254 /(.000100) MIN. MATTE TIN OVER
   0.00127/(.000050) MIN. NICKEL
3) PRODUCTY SPECIFCATION: PS-43759-0001
4) PACKAGE SPECIFCATION: PK-42404-002
5) PART MATES WITH MINI-=FIT JR. RECEPTACLE 43974-0002 & 43974-0005.
6) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
7) CIRCUITS SHOWN PROVIDE THE "MATE-FIRST/BREAK-LAST" FEATURE"' SEE CHART ON SHEET TWO FOR EXACT LOCATION.
8) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
9) PART ALLOWS FOR .050/(1.27) MISALLIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
10) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
11) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

2	B1
1	B1
SHT.	REV.

ADDED NOTES
EC NO: UCP2009-3129 2010/01/05
DRWN:JBELL 2010/01/06
CHKD:JBELL 2010/01/07
APPR:FSMITH

REV	DESCRIPTION
B1	

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .015
2 PLACES	± 0.38	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM/IN
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	BANDURA
DATE	03-08-01
CHECKED BY	BANDURA
DATE	03-08-01
APPROVED BY	EDGLEY
DATE	03-13-01
MATERIAL NO.	SEE CHART
SIZE	D

TITLE: VERTICAL HEADER ASSEMBLY 40 PIN M-F BMI SERIES SELECTIVELY LOADED

MOLEX INCORPORATED

DOCUMENT NO. SD-43973-002

SHEET NO. 1 OF 2

	PART NUMBER	CIRCUIT SIZE	DIM. "A"	TERMINAL PIN TYPE REQUIRED AT EACH CIRCUIT LOCATION																																					
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	43973-0002	40	5.31 (.209)	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	B	B	B	B	B	B	B	B	B	B
	43973-0003	40	7.20 (.283)	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	B	B	B	B	B	B	B	B	B	B
X	43973-0004	40	5.31 (.209)	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D
X	43973-0005	40	7.20 (.283)	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D

X = NOT TOOLED

TERMINAL PIN LEGEND		
PIN TYPE	FINISH (SEE NOTE 2)	MATING TYPE
A	1	STD.
B	1	M-F-B-L
C	2	STD.
D	2	M-F-B-L

SEE SHEET ONE
EC NO: UCP2009-3129
DRWN: JBELL 2010/01/05
CHKD: JBELL 2010/01/06
APPR: FSMITH 2010/01/07
DESCRIPTION
REV B1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: BANDURA 03-07-01
CHECKED BY: BANDURA 03-07-01
APPROVED BY: EDGLEY 03-13-01

TITLE: VERTICAL HEADER ASSEMBLY 40 PIN M-F BMI SERIES SELECTIVELY LOADED

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-43973-002
SHEET NO.: 2 OF 2
SIZE: D