

Excellent Integrated System Limited

Stocking Distributor

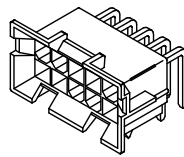
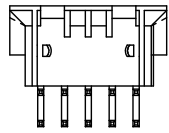
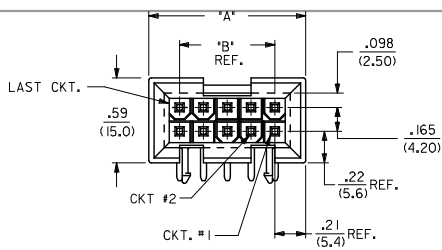
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0444990078](#)

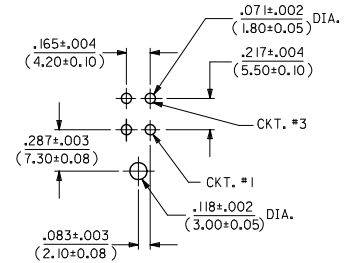
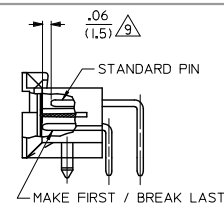
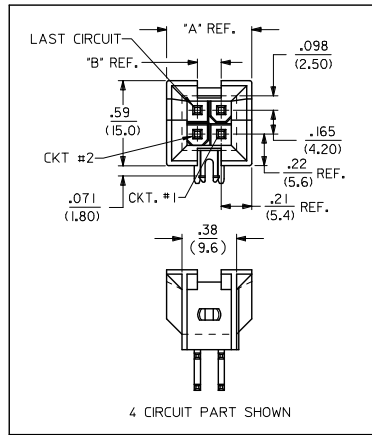
For any questions, you can email us directly:

sales@integrated-circuit.com

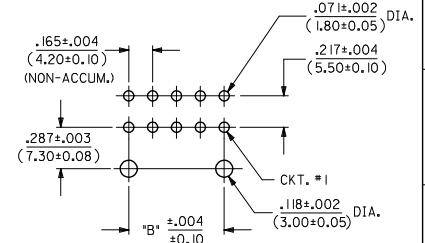
CIRCUIT SIZE	DIM. 'A'	DIM. 'B'
2	—	—
4	.59 (15.0)	.165 (4.20)
6	.76 (19.2)	.331 (8.40)
8	.92 (23.4)	.496 (12.60)
10	1.09 (27.6)	.661 (16.80)
12	1.25 (31.8)	.827 (21.00)
14	1.42 (36.0)	.992 (25.20)
16	1.58 (40.2)	1.157 (29.40)
18	1.75 (44.4)	1.323 (33.60)
20	1.91 (48.6)	1.488 (37.80)
22	2.08 (52.8)	1.654 (42.00)
24	2.24 (57.0)	1.819 (46.20)



A-44499-*



4 CIRCUIT PCB LAYOUT
RECOMMENDED HOLE LAYOUT FOR
.070/(1.78) MAX. THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE



RECOMMENDED HOLE LAYOUT FOR
.070/(1.78) MAX. THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE

- NOTES:
- 1) MATERIAL:
HOUSING: 'A' = NYLON 6/6, UL 94V-2, COLOR: NATURAL
'B' = NYLON 6/6, UL 94V-0, COLOR: NATURAL
TERMINALS: BRASS
2) TERMINAL PLATING:
C = .000030/(.00076) MIN. SELECT GOLD AND
.000100/(.00254) MIN. MATTE TIN OVER
.000050/(.00127) MIN. NICKEL OVERALL.
D = .000100/(.00254) MIN. MATTE TIN OVER
.000050/(.00127) MIN. NICKEL OVERALL.
 - 3) PRODUCT SPECIFICATION: PS-5556-002
 - 4) PACKAGING: TRAY PACKED PER MOLEX SPECIFICATION PK-42404-002.
 - 5) PART MATES WITH MINI-FIT JR. RECEPTACLE 5557, 42385, 42474 AND 44516. 2 CIRCUIT PARTS MATE WITH 42385, 42474, AND 44516 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) PART IS NOT DESIGNED FOR CURRENT SHARING.
 - 8) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
 - 9) CIRCUITS SHOWN PROVIDE THE "MAKE-FIRST/BREAK-LAST" FEATURE.
 - 10) PART CONFORMS TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002.
 - 11) 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.
 - 12) FORMING MARKS ARE ACCEPTABLE

ADD 44499-0072	EC NO: UCP-2016-2697	DRAWN BY: 2016/01/07	CHKD: 2016/01/11	APPROVED BY: 2016/01/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	SHEET NO.
						mm	INCH	IN/MM	DATE					
D18	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	SHEET NO.	1 OF 3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SDA-44499-*	1 OF 3

ITEM NO.	CKT. CHARACTERISTIC SIZE	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
44499-0005	24	24BC	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM
44499-0006	04	04BC	CS	CM	CM	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0027	10	10BD	DS	DM	DM	DM	DM	DM	DM	DM	DM	DM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0029	24	24BD	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM
44499-0036	24	24BD	DS	DS	DM	DM	DS	DS	DM	DS	DS	DS	DS	DS	DS	DM	DM	DS	DS	DS	DS	DS	DM	DS	DS	DS
44499-0041	14	14AD	DS	DS	DS	V	DS	DS	DS	DM	DS	DS	V	DS	DS	DM	-	-	-	-	-	-	-	-	-	-
44499-0042	10	10BC	CS	CS	CS	CS	CS	CS	CS	CS	CS	CM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0049	24	24AD	DM	DM	DM	DM	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
44499-0055	10	10BC	CS	CM	CM	CM	CM	CM	CM	CM	CM	CM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0061	06	06BD	DM	DM	DM	DM	DM	DM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0065	24	24BC	CS	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM
44499-0066	18	18BD	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DM	DS	DS	DS	DM	-	-	-	-	-	-
44499-0072	18	18BC	CS	CS	CS	CM	CM	CM	CM	CM	CS	CM	CM	CM	CM	CM	CM	CM	CS	-	-	-	-	-	-	-
44499-0073	06	06BC	CS	CM	CM	CM	CM	CM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0075	18	18AD	DM	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DM	-	-	-	-	-	-
44499-0078	18	18BC	CS	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	-	-	-	-	-	-	-
44499-0089	10	10BC	CS	CS	CM	CS	CS	CM	CM	CM	CM	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0090	24	24BD	DS	DS	DM	DM	DM	DS	DS	DS	DM	DS	DS	DS	DM	DS	DS	DS	DS	DS	DS	DS	DM	DM	DS	DS
44499-0092	04	04BD	DS	DM	DS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0093	04	04BC	CS	CM	CM	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0094	18	18BC	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS	CM	-	-	-	-	-	-
44499-0095	18	18BC	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS	CM	CM	CM	CM	CM	CM	-	-	-	-	-	-	-
44499-0096	24	24AD	DM	DM	V	DM	DM	V	DM	DM	V	DM	DM	DM	DM	DM	V	DM	DM	V	DM	DM	DM	DM	DM	DM
44499-0097	14	14BC	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS	-	-	-	-	-	-	-	-	-	-
44499-0099	24	24BC	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS
44499-0100	24	24BC	CS	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CS
44499-0101	14	14BC	CM	CS	CM	CM	CS	CM	CM	CM	CM	CM	CM	CM	CS	-	-	-	-	-	-	-	-	-	-	-
44499-0102	24	24BC	CM	CM	CM	CS	CS	CS	CS	CS	CS	CS	CM	CM	CM	CM	CS	CS	CS	CS	CS	CS	CM	CM	CM	CM
44499-0103	24	24AD	DM	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DM
44499-0104	24	24BC	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CM	CS	CM	CM	CS	CM	CM	CM
44499-0105	16	16BC	CM	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	-	-	-	-	-	-	-	-
44499-0106	08	08BC	CS	CS	CM	CS	CS	CS	CS	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0107	24	24AD	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM
44499-0108	14	14BC	CS	CS	CS	CS	CS	CS	CS	CM	CS	CS	CS	CS	CS	-	-	-	-	-	-	-	-	-	-	-
44499-0109	24	24BC	CM	CS	CS	CM	CS	CS	CS	CS	CS	CS	CM	CS	CM	CS	CM	CS	CM	CS	CS	CS	CS	CS	CS	CS
44499-0111	06	06BC	CM	CS	CS	CM	CS	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44499-0112	24	24BC	CS	CM	CM	CS	CS	CS	CS	CS	CS	CS	CS	CS	CM	CM	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS

CHARACTERISTICS LEGEND:

CIRCUIT SIZE (02-24)
HOUSING MATERIAL
A = NYLON 6/6, U.L. 94V-2, COLOR: NATURAL
B = NYLON 6/6, U.L. 94V-0, COLOR: NATURAL
TERMINAL PLATING
C = SELECT GOLD
D = MATTE TIN OVERALL
* = MIXED TIN AND GOLD

TERMINAL PLATING AND LENGTH CODE

CS = SELECT GOLD, STANDARD LENGTH
DS = MATTE TIN, STANDARD LENGTH
CM = SELECT GOLD, MATE-FIRST/BREAK-LAST (LONGER)
DM = MATTE TIN, MATE-FIRST/BREAK-LAST (LONGER)
V = VOID CIRCUIT

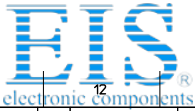
SEE SHEET 1
REV D18

QUALITY SYMBOLS
DESCRIPTION
2016/01/11

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .010
2 PLACES ± 0.25 ± .015
1 PLACE ± 0.38 ± ---
0 PLACE ± ±
ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE IN/MM
DRAWN BY DATE
CHECKED BY DATE
APPROVED BY DATE
MATERIAL NO.
DOCUMENT NO.

SCALE 1:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
TITLE
SELECTIVELY-LOADED
RT ANGLE DUAL ROW HEADER
(MATE-FIRST/BREAK-LAST)
molex
SDA-44499-*
SHEET NO. 2 OF 3



Distributor of Molex Connector Corporation: Excellent Integrated System Limited

Datasheet of 0444990078 - MINI FIT BMI RT AN HDR 18CKT

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

ITEM NO.	CKT. SIZE	CHARACTERISTIC DESCRIPTION	LETTER INDICATES PIN PLATING AND LENGTH REQUIRED AT EACH CIRCUIT LOCATION. SEE NOTE 2 ON SHEET 1.																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
44499-0113	24	24BD	DS	V	DS	V	DS	V	DS	V	DS	DS	DS	V	DS	V	DS	V	DS	V	DS	V	V	DS	DS	DS
44499-0114	14	14BD	DS	V	DS	V	DS	V	DS	DS	V	DS	V	DS	V	DS	-	-	-	-	-	-	-	-	-	-
44499-0115	18	18BD	DS	V	V	DS	V	V	DS	DS	DS	DS	DS	V	V	DS	V	V	DS	DS	DS	-	-	-	-	-
44499-0116	04	04BD	DS	DS	DM	DM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
44499-0117	10	10BD	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	-	-	-	-	-	-	-	-	-	-	-	-	
44499-0118	14	14BD	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	-	-	-	-	-	-	-	-	-	
44499-0119	14	14BC	CM	CM	CM	CM	CS	CM	CS	CM	CM	CM	CM	CM	CM	CS	-	-	-	-	-	-	-	-	-	
44499-0120	14	14BC	CM	CM	CM	CM	CS	CM	CM	CM	CM	CM	CM	CS	CM	CM	-	-	-	-	-	-	-	-	-	
44499-0121	10	10BC	CM	CS	CS	CS	CS	CM	CS	CS	CS	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	
44499-0122	18	18BC	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CS	CS	CM	CM	CM	CM	CM	CM	-	-	-	-	-	
44499-0123	10	10BD	DS	V	DS	V	DS	DS	V	DS	V	DS	-	-	-	-	-	-	-	-	-	-	-	-	-	
44499-0124	14	14BC	CM	CM	CM	CM	CM	CM	CM	CS	CM	CM	CS	CM	CM	CM	-	-	-	-	-	-	-	-	-	
44499-0125	14	14BC	CM	CM	CM	CM	CS	CM	CM	CM	CS	CM	CM	CM	CM	CM	-	-	-	-	-	-	-	-	-	
44499-0126	14	14BC	CM	CM	CM	CM	CS	CM	CM	CM	CM	CM	CS	CS	CM	CM	-	-	-	-	-	-	-	-	-	
44499-0127	18	18BD	DM	DM	DM	DM	DS	DS	DS	DM	DS	DM	DM	DM	DM	DM	DM	DM	DM	DM	-	-	-	-	-	
44499-0128	14	14BC	CM	CM	CM	CS	CS	CM	CS	CM	CM	CM	CS	CM	CM	CS	-	-	-	-	-	-	-	-	-	
44499-0129	14	14BD	DM	DM	DM	DS	DS	DM	DS	DM	DM	DM	DS	DS	DM	DS	-	-	-	-	-	-	-	-	-	

CHARACTERISTICS LEGEND:

CIRCUIT SIZE
(02-24)

HOUSING MATERIAL

A = NYLON 6/6, U.L. 94V-2,
COLOR: NATURAL
B = NYLON 6/6, U.L. 94V-0,
COLOR: NATURAL

TERMINAL PLATING

C = SELECT GOLD
D = MATTE TIN OVERALL
* = MIXED TIN AND GOLD

TERMINAL PLATING AND LENGTH CODE

CS = SELECT GOLD, STANDARD LENGTH
DS = MATTE TIN, STANDARD LENGTH
CM = SELECT GOLD, MATE-FIRST/BREAK-LAST (LONGER)
DM = MATTE TIN, MATE-FIRST/BREAK-LAST (LONGER)
V = VOID CIRCUIT

SEE SHEET 1 EC NO: UCP2016-2697 DRAWINGS D18 CHKD: APPROVED BY:	2016/01/07 2016/01/11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				(UNLESS SPECIFIED)		IN/MM		1:1	METRIC	⊙ □	
						DRAWN BY DATE		TITLE			
						AFG 1994/09/13		SELECTIVELY-LOADED			
						CHECKED BY DATE		RT ANGLE DUAL ROW HEADER			
						R/JF 1994/09/13		(MATE-FIRST/BREAK-LAST)			
						APPROVED BY DATE		molex			
						FSM1TH 2011/08/03					
						MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE CHART		SDA-44499-*		3 OF 3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

1b_frame_C_P_AM_T Rev. G 2012/01/11	12	11	10	9	8	7	6	5	4	3	2	1
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