

## **Excellent Integrated System Limited**

Stocking Distributor

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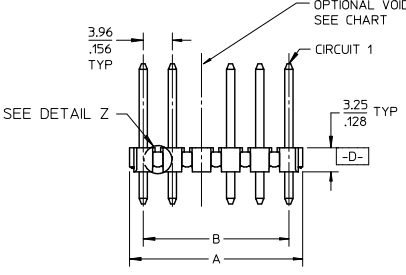
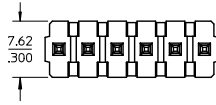
[Molex Connector Corporation](#)  
[0026503199](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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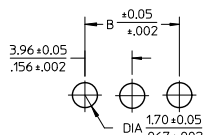


CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN 0.13/.005 IN ANY DIRECTION.



PACKAGING & OPTIONS  
B=BRASS-BULK PACKED  
NO. OF CKTS.

VOID CODE  
BLANK=NO VOIDS  
NO=CKT NO. VOIDED  
MULT. VOIDS START WITH #51  
PLATING CODE  
PIN DIMENSIONS



PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS:  
1.57+.18/.062+.007

B	A	CKT SIZE
3.96/1.56	6.78-7.87 / .267-.310	2
7.92/3.12	10.74-11.84 / .423-.466	3
11.89/4.68	14.71-15.80 / .579-.622	4
15.85/6.24	18.67-19.76 / .735-.778	5
19.81/7.80	22.63-23.72 / .891-.934	6
23.77/9.36	26.59-27.69 / 1.047-1.090	7
27.74/10.92	30.56-31.65 / 1.203-1.246	8
31.70/12.48	34.52-35.61 / 1.359-1.402	9
35.66/14.04	38.48-39.57 / 1.515-1.558	10
39.62/15.60	42.44-43.54 / 1.671-1.714	11
43.59/17.16	46.41-47.50 / 1.827-1.870	12
47.55/18.72	50.37-51.46 / 1.983-2.026	13
51.51/20.28	54.33-55.42 / 2.139-2.182	14
55.47/21.84	58.29-59.39 / 2.295-2.338	15
59.44/23.40	62.26-63.35 / 2.451-2.494	16
63.40/24.96	66.22-67.31 / 2.607-2.650	17
67.36/26.52	70.18-71.27 / 2.763-2.806	18
71.32/28.08	74.14-75.23 / 2.919-2.962	19
75.29/29.64	78.11-79.20 / 3.075-3.118	20
79.25/31.20	82.07-83.16 / 3.231-3.274	21
83.21/32.76	86.03-87.12 / 3.387-3.430	22
87.17/34.32	89.94-91.08 / 3.541-3.586	23
91.14/35.88	93.85-95.00 / 3.695-3.740	24

- NOTES:
- MATERIAL: HEADER: GLASS FILLED POLYESTER, 94V-0, MOLDED BLACK.
  - FINISH:
    - (197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN. NICKEL OVERALL.
    - (222) OVERALL MATTE TIN: 0.00254/.000100 MIN OVER 0.00127/.000050 MIN NICKEL
    - (208) SELECT GOLD: 0.00038/.000015 MIN. SELECT TIN: 0.00254/.000100 MIN. OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
    - (228) SELECT GOLD: 0.00076/.000030 MIN. SELECT TIN: 0.00254/.000100 MIN. OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
    - (241) SELECT GOLD: 0.00051/.000020 MIN. SELECT TIN: 0.00254/.000100 MIN. OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
  - THIS PART CONFORMS TO PRODUCT SPEC PS-08-50.
  - PACKAGING: SEE CHARTS.
  - SOLDERABILITY: SEE SMES 152.
  - PARTS ARE STACKABLE END TO END ON 3.96/1.56 CENTERS. (SPACING TABS MUST BE REMOVED ON CIRCUIT SIZES 2 THRU 23 BEFORE PARTS ARE STACKABLE.)
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
  - PIN PUSH-OUT FORCE: PRIOR TO SOLDERING, A 3 LB MINIMUM FORCE (IN EITHER DIRECTION) SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.

DRAWING FORMAT	SHEETS	REV LEVEL
GENERAL DOCS.	2-*	BE
ANNOTATOR	1	

ADD FINISH 197 EC NO: UCP2012-0114 DRAWN BY: BRUNNENSTROH 2011/07/19 CHECKED BY: CHROCHMAYER 2011/07/21 APPROVED BY: APPREIF-SHULTH 2011/07/20 REV	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM/IN DRAWN BY: JSCHAFFER DATE: 2004/03/04 CHECKED BY: DATE: 2004/03/04 APPROVED BY: MARGULIS DATE: 2004/03/04 MATERIAL NO. SEE CHART	SCALE: 2:1 DESIGN UNITS: INCH THIRD ANGLE PROJECTION	TITLE: KK .156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS MOLEX INCORPORATED DOCUMENT NO. SD-41661-001 SHEET NO. 1 OF *

9 8 7 6 5 4 3 2 1