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ELECTRONICS

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Jameco Part Number 1303556



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Insulation Resistance	Measurements taken between adjacent contacts where 500VDC is applied. (MIL-STD-202F, Method 302)	12000 Megaohms Minimum
2	Dielectric Strength	Mated samples subjected to 900 VAC rms for 1 min. between adjacent contacts. (MIL-STD-202F, Method 301)	No breakdown
3	Current Rating	Steady state DC voltage source is supplied for 96 hours with a 30 degree C Max. temperature rise over ambient	2.5 amp (D.C.) Maximum

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
4	Contact Retention	Apply axial load at a rate of 0.5 inch/ (12.7mm) minimum up to maximum required load. (MIL-STD-1344A, Method 2007.1)	2 lb / 0.91kgf (Minimum) Initial 0.88 lb / 0.40kgf (Minimum) After resistance to solder heat

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
H2	EC No: S2006-0380 DATE: 2005/09/23	C-GRID SHROUDED WAFER	2 of 3
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-70246-100	YLQIAO 2005/09/23	BOKOK 2005/09/27	PTLIM 2005/09/27



PRODUCT SPECIFICATION

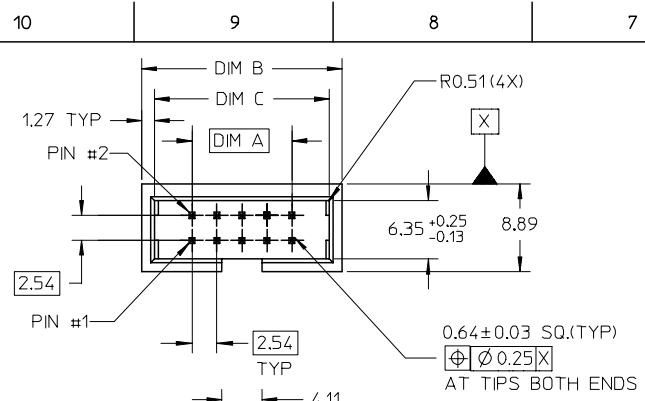
5.3 ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Resistance to Soldering Heat (Wave Soldering) For Series: 87256, 87257, 87834, 87835, 70246, 70247 87556	Sample mounted on PCB and subject to wave soldering as per MIL-STD-202G, method 210F, Condition B For series using a) Nylon 4/6 plastic material Temperature : 260 ±5°C for 5sec b) PBT / PET plastic material Temperature : 230 ±5°C for 3sec	No damage in appearance of the connector
6	Resistance to Soldering Heat (Reflow) For Series: 71384, 87054	1. <u>Preheat</u> : Increase in temperature < 4°C /sec 2. <u>Soldering</u> : Maximum Reflow temperature < 230°C 3. <u>Cool Down</u> : Cool temperature < 4°C /sec	No damage in appearance of the connector
7	Solderability	Solder tail to be dipped in flux as per MIL-STD-202F, method 208	Soldertail should have 95% continuous new solder coating coverage (Apply to non-kinked Soldertail only)

6.0 PACKAGING

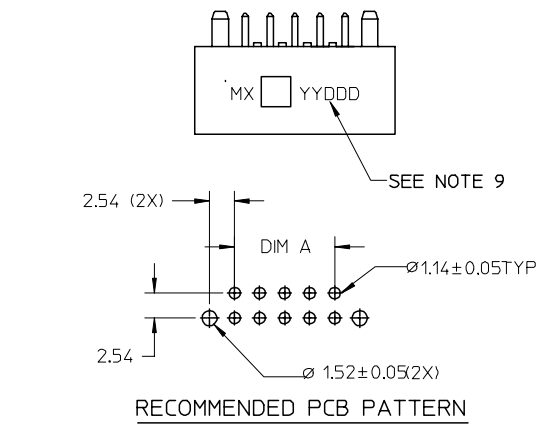
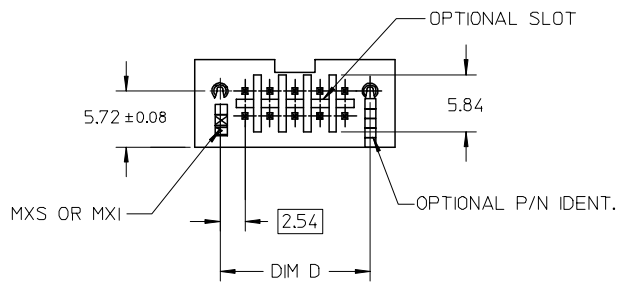
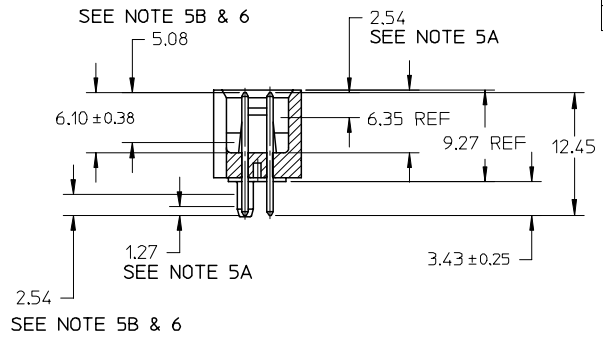
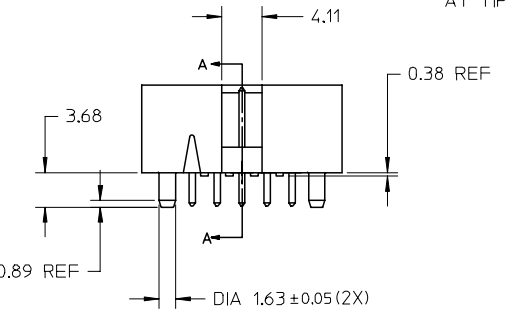
Product shall be packaged and protected against damage during handling, transportation and storage.

REVISION: H2	ECR/ECN INFORMATION: EC No: S2006-0380 DATE: 2005/09/23	TITLE: C-GRID SHROUDED WAFER	SHEET No. 3 of 3
DOCUMENT NUMBER: PS-70246-100	CREATED / REVISED BY: YLQIAO 2005/09/23	CHECKED BY: BOKOK 2005/09/27	APPROVED BY: PTLIM 2005/09/27



PART NUMBER LEGEND

87834 - * * * 1 1
 CKT SIZES



ASSEMBLY P/N	CKT SIZE	DIM A	DIM B	DIM C	DIM D
87834-0411	04	2.54	12.70	10.16	7.62
87834-0611	06	5.08	15.24	12.70	10.16
87834-0811	08	7.62	17.78	15.24	12.70
87834-1011	10	10.16	20.32	17.78	15.24
87834-1211	12	12.70	22.86	20.32	17.78
87834-1411	14	15.24	25.40	22.86	20.32
87834-1611	16	17.78	27.94	25.40	22.86
87834-1811	18	20.32	30.48	27.94	25.40
87834-2011	20	22.86	33.02	30.48	27.94
87834-2411	24	27.94	38.10	35.56	33.02
87834-2611	26	30.48	40.64	38.10	35.56
87834-3011	30	35.56	45.72	43.18	40.64
87834-3411	34	40.64	50.80	48.26	45.72
87834-4011	40	48.26	58.42	55.88	53.34
87834-4411	44	53.34	63.50	60.96	58.42
87834-5011	50	60.96	71.12	68.58	66.04
87834-5611	56	68.58	78.74	76.20	73.66
87834-6011	60	73.66	83.82	81.28	78.74
87834-6411	64	78.74	88.90	86.36	83.82
87834-7211	72	88.90	99.06	96.52	93.98

NOTES :

- MATERIAL :
 HOUSING : NYLON 46 GLASS FILLED., UL94V-0, COLOR: BIEGE.
 PIN : COPPER ALLOY.
- PIN PUSHOUT FORCE 0.91 KG MIN.
- PRODUCT SPECIFICATION PS-70246-100 APPLIES.
- WAFER TO BE FLAT WITHIN 0.03MM/CM
- DIMENSIONS FOR PLATING LOCATIONS : A - MEASURE POINT FOR THICKNESS.
 B - MINIMUM COVERAGE.
- GOLD END OF PIN UNLESS OVERALL PLATED.
- FINISH :
 0.13um MIN GOLD FLASH OVER 1.02um MIN.PD/NI
 IN SELECTED AREA AND 2.5um MIN.TIN IN SELECTED AREA OVER 1.27um MIN NICKEL OVERALL
- FOR ILLUSTRATION PURPOSE A 10 CKT IS SHOWN.
- OPTIONAL LOCATION FOR MANUFACTURER/YEAR/DAY MARKING IF REQUIRED BY CUSTOMER

EDIT NOTE 1 EC NO: S2005-1004 DRWN: LUI/AO CHKD: BOKOK APPR: PTL/IM 2005/07/28 2005/07/28 2005/07/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
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DESCRIPTION	ANGULAR ± 3 °	DRAWN BY	DATE	TITLE																	
REV		RSHAN	2003/11/21	SALES DRAWING, C-GRID SHROUDED W/SLOTTED & IN-LINE POLARIZATION PEG																	

APPROVED BY	DATE	TITLE	
KCL ING	2003/12/05	SALES DRAWING, C-GRID SHROUDED W/SLOTTED & IN-LINE POLARIZATION PEG	
APPROVED BY	DATE	TITLE	
SKTOH	2003/12/06	SALES DRAWING, C-GRID SHROUDED W/SLOTTED & IN-LINE POLARIZATION PEG	
MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
	SD-87834-024	1 OF 1	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
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