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Jameco Part Number 802863

### **FEATURES AND SPECIFICATIONS**

#### **Features and Benefits**

- Sizes 4 to 50 circuits
- IR, vapor-phase and wave solder Surface Mount Compatible
- Dual beam contact design ensures reliable electrical performance
- Molded-in void locations offered for polarization to mating connector
- PC tails have tapered lead-in on for ease of insertion into the PC board
- Also available with shortened 1.91mm (.075") tail length for 0.79mm (.031") thick PC boards

#### **Reference Information**

Product Specification: PS-79107

Packaging: Tube UL File No.: E29179 CSA File No.: LR19980

Mates With: 0.50mm square pin headers 87049, 87089

and <u>87267</u>

**Designed In: Millimeters** 



Voltage: 125V Current: 1.0A

Contact Resistance:  $25m\Omega$  max. Dielectric Withstanding Voltage: 1250V Insulation Resistance:  $1000~M\Omega$  min.

#### Mechanical

Mating Force: 8 oz max. Unmating Force: 1.5 oz min. Normal Force: 100g

Durability: 15µ" Gold contacts—50 cycles min. 30µ" Gold contacts—100 cycles min.

### Physical

Housing: Black glass-filled LCP, UL 94V-0

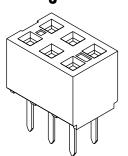
Contact: Phosphor Bronze Plating: See Table

Operating Temperature: -55 to +105°C

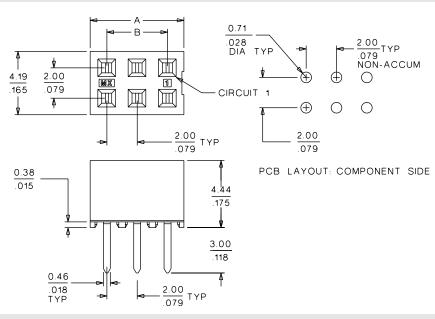


### 79107

### Vertical, Dual Row Through Hole



### **CATALOG DRAWING (FOR REFERENCE ONLY)**



### **ORDERING INFORMATION AND DIMENSIONS**

Circuits	Orde	r No.	Dime	nsion
Circuits	Plating No. 1	Plating No. 2	A	В
4	• 79107-0001	• 79107-0051	4.19 (.165)	2.00 (.079)
6	• 79107-0002	• 79107-0052	6.19 (.244)	4.00 (.157)
8	• 79107-0003	• 79107-0053	8.19 (.322)	6.00 (.236)
10	• 79107-0004	• 79107-0054	10.19 (.401)	8.00 (.315)
12	• 79107-0005	• 79107-0055	12.19 (.480)	10.00 (.394)
14	• 79107-0006	• 79107-0056	14.19 (.559)	12.00 (.472)
16	• 79107-0007	• 79107-0057	16.19 (.637)	14.00 (.551)
18	• 79107-0008	• 79107-0058	18.19 (.716)	16.00 (.630)
20	• 79107-0009	• 79107-0059	20.19 (.795)	18.00 (.709)
22	• 79107-0010	• 79107-0060	22.19 (.874)	20.00 (.787)
24	• 79107-0011	• 79107-0061	24.19 (.952)	22.00 (.866)
26	• 79107-0012	• 79107-0062	26.19 (1.031)	24.00 (.945)

Circuits	Orde	r No.	Dime	nsion		
Circuits	Plating No. 1	Plating No. 2	A	В		
28	• 79107-0013	• 79107-0063	28.19 (1.110)	26.00 (1.024)		
30	• 79107-0014	• 79107-0064	30.19 (1.188)	28.00 (1.102)		
32	• 79107-0015	• 79107-0065	32.19 (1.267)	30.00 (1.181)		
34	• 79107-0016	• 79107-0066	34.19 (1.346)	32.00 (1.260)		
36	• 79107-0017	• 79107-0067	36.19 (1.425)	34.00 (1.338)		
38	• 79107-0018	• 79107-0068	38.19 (1.504)	36.00 (1.417)		
40	• 79107-0019	• 79107-0069	40.19 (1.582)	38.00 (1.496)		
42	• 79107-0020	• 79107-0070	42.19 (1.661)	40.00 (1.575)		
44	• 79107-0021	• 79107-0071	44.19 (1.740)	42.00 (1.654)		
46	• 79107-0022	• 79107-0072	46.19 (1.818)	44.00 (1.732)		
48	• 79107-0023	• 79107-0073	48.19 (1.897)	46.00 (1.811)		
50	• 79107-0024	• 79107-0074	50.19 (1.976)	48.00 (1.890)		

Plating No. 1: 15µ" min. Gold plate in selected area and 75µ" min. Tin/Lead in selected area, over Nickel overall Plating No. 2: 30µ" min. Gold plate in selected area and 75µ" min. Tin/Lead in selected area, over Nickel overall

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<sup>•</sup> US Standard Product, available through Molex franchised distributors



### TABLE OF CONTENTS

1.0	SCOPE
2.0	PRODUCT DESCRIPTION
3.0	APPLICABLE DOCUMENTS
4.0	AMBIENT CONDITIONS
5.0	GENERAL REQUIREMENTS
6.0	AGENCY APPROVALS
7.0	ELECTRICAL REQUIREMENTS
8.0	MECHANICAL REQUIREMENTS
9.0	ENVIRONMENTAL REQUIREMENTS
10.0	QUALITY ASSURANCE PROVISIONS
.0	PACKAGING
12.0	QUALIFICATION REQUIREMENTS
13.0	APPENDIX

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### I.O SCOPE I.I SUBJECT:

This specification details the mechanical, electrical and environmental performance of the .079" X .079" (2mm X 2mm) grid dual row vertical receptacle connector series numbers 79107, 79108, & 79109. This connector series is designed for through hole, flat flex cable, and surface mount applications respectively as described in Para 2.1. Mating connectors shall have .020"(.5 lmm) square or round posts whose axes are perpendicular to the plane of the PCB to which the 2mm series receptacles are soldered.

### 2.0 PRODUCT DESCRIPTION

- 2.1 The types covered in this specification are as follows:
  - 2.1.1 A-79107-\*\*\*\* Vertical Receptacle with .118"(3.00mm) and .075"(1.91mm) long PC tails.
  - 2.1.2 A-79108-\*\*\* Vertical Receptacle with .050"(1.27mm) long PC tails for FFC or FPC application.
  - 2.1.3 A-79109-\*\*\* Vertical Receptacle with gull wing surface mount tails and optional hold down pegs.

Note: "\*\*\*\*" Indicates the presence of a 4 digit code used to identify plating, mounting, and circuit size options.

2.2 The dualrow vertical receptacle series is designed to connect; (1) PC board to PC board in parallel, (2) PC board to PC board perpendicular.

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DRWG. NO. PS-79107



- 2.3 The connector utilizes a dualbeam female terminal designed to provide east-west mating and early entry mating when mated from the top.
- 2.4 The A-79107-\*\*\* series has PC tails for solder termination to either a .063"(1.57mm) or .031"(0.79mm) nominal thick PC board with .025"(0.64mm) minimum diameter holes (See Figure I). The PC tails have a tapered lead-in for ease of insertion into the PC board.
- 2.5 The A-79109-\*\*\* surface mount version with pegs is also designed to accommodate bottom entry mating through a PC board. See Figure 2 for suggested PC board layout. Performance of bottom entry is expected to be similar to top entry, however data is not currently available.
- 2.6 This connector series is available in a range of circuit sizes from 4 circuit (2 X 2) through 50 circuit (2 X 25) in 2 circuit increments.

### 3.0 APPLICABLE DOCUMENTS

- 3.1 All documents referenced shall be of the latest revision.
- 3.2 The order of precedence detailing requirements of this specification shall be as follows:
  - I. Product Drawings
  - 2. This Specification
  - 3. Reference Documents
- 3.3 Reference Documents

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3.3.1 MIL-STD-202: Test methods for electronics and electrical component parts.

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3.3.2 MIL-STD-1344: Test methods for electrical connectors.

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- 3.3.3 ASTM-BIO3: Alloy 521.
- 3.3.4 QQ-N-290: Nickelplating.
- 3.3.5 MIL-G-45204: Gold plating.
- 3.3.6 MIL-T-10727: Tin plating.
- 3.3.7 MIL-M-24519: Molding plastics.
- 3.3.8 UL-94: Tests for flammability of plastic materials.
- 3.3.9 ES-88: Molex Finish Specification.

### 4.0 AMBIENT CONDITIONS

4.1 Ambient operating conditions for qualification shall be:

Temperature:  $25^{\circ} +/- 5^{\circ} C$  Relative Humidity: 50% +/- 20%

ATM Pressure: 650 - 800 mm Hg

### 5.0 GENERAL REQUIREMENTS

- 5.1 Design construction and physical dimensions shall be as specified on the A-79107, A-79108, and A-79109 product drawings.
- 5.2 Materials
  - 5.2.1 Housing: 94V-O glass filled Liquid Crystal Polymer. Oxygen index greater than 28. Color: Black.
  - 5.2.2 Terminal: Phosphor bronze, per ASTM-BIO3.

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#### 5.3 Platina

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- 5.3.1 All tin finishes to be per MIL-T-10727B and MIL-P-81728A. All gold finishes to be per MIL-G-45204B, Type II, Grade C. Class I. All nickel finishes to be per QQ-N-290. Class II. Also see Molex Platina Standard ES-88.
- 5.3.2 Platina Code 574 (Per Molex FS-88): .000030" (0.00076mm) min. gold plate in contact area with .000075" (0.00 190mm) min. tin/lead (90/10) plate in tailarea over .000050" (0.00127mm) min. nickelplate overall.
- 5.3.3 Platina Code 571 (Per Molex ES-88): .000015" (0.00038mm) min. aold plate in contact area with .000075" (0.00 190mm) min. tin/lead (90/10) plate in tailarea over .000050" (0.00 127mm) min. nickelplate overall.
- 5.4 Recommended Printed Circuit Board Specification
  - 5.4.1 PCB thickness: .062" +/- .007" (1.57mm +/- 0.18) and .031 +/- .005 (0.79mm +/-(0.13)
  - 5.4.2 Recommended PCB Hole/SMT Land Pattern: See Figure 2.
- 5.5 Recommended mating pin lengths:
  - 5.5.1 For top entry mating, the recommended mating pin length is .120" to .170"  $(3.05 \, \text{mm} + 0.4.30 \, \text{mm})$
  - 5.5.2 For bottom entry mating, the recommended mating pin lengths are .240" to .255" (6.10mm to 6.50mm) for a .047" PCB and

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.255" to .270" (6.50mm to 6.85mm) for a .062" PCB. This dimension is measured from the bottom of the bottom entry PC board, not from the insulator on the matina header.

- 5.6 Sides of square pins must be parallel with the axis of the row within 5 (+/-) degrees.
- AGENCY APPROVALS 6.0
  - 6.1 U.L. Recognition: File E29179.
  - C.S.A. Recognition: File LR19980, Page 8. dated 8-21-91.
- 7.0 FLECTRICAL REQUIREMENTS
  - 7.1 Insulation Resistance
    - 7.1.1 Insulation resistance when tested per MIL-STD-202. Method 302. Condition B at ambient shall be as follows: 1.5000 mega ohms minimum intially. 2. 1000 mega ohms minimum following humidity.
  - 7.2 Dielectric Withstanding Voltage
    - 7.2.1 Dielectric withstanding voltage shall be 500 VAC minimum at sea level. There shallbe no breakdown or flash-over between adjacent contacts and leakage current shall not exceed 5.0 milliamps when unmated connectors are tested per MIL-STD-202. Method 301.

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- 7.3 Contact Resistance (Low Level)
  - 7.3. Defined as the normal bulk resistance plus constriction resistance. The maximum value shall not exceed 15 milliohms total with a maximum change of 10 milliohms from initial following all stress tests. The method of measurement shall be per MIL-STD-1344A, Method 3002.1.
- 7.4 Current Rating
  - 7.4.1 I.9 Amps DC or AC RMS per contact with no more than 30°C temperature rise above ambient. All contacts wired in series.
  - 7.4.2 I.O Amps DC or AC RMS per contact at 70°C with 30°C maximum temperature rise. All contacts wired in series.
- 7.5 Current Cycling
  - 7.5.1 Subject the mated connectors to 75% of the current necessary to yield a 30°C temperature rise (as found in para. 7.4) in cycles of 45 minutes on and 15 minutes off for 240 hours after which the conditions of para 7.3 are met.
- 8.0 MECHANICAL REQUIREMENTS
  - 8.1 Mating Force Entire Connector

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- I. Ambient conditions.
- 2. Nonrigid fixturing of connector pairs.
- 3. 10 inches/minute max.cycling rate.
- 4. 50 mate/unmate cycles.
- 8.2 Individual Insertion/Withdrawal Forces
  - 8.2. The force to insert and withdraw a steel gauge pin shall be 8 ounces maximum and 1.5 ounces minimum respectively, excluding hardware, when tested per MIL-STD-1344, Method 2014 for the following conditions:
    - I. Polished steelgauge pins per Fig 3.
    - 2. Insertion depth to be .060" from the point at which gauge makes contact with the terminal beams.
    - 3. Nonrigid fixturing shallbe used.
    - 4. 3 cycles.
- 8.3 NormalForce
  - 8.3.1 The minimum normal"force" shall be 100 grams following thermalaging per para. 9.4.1 and 50 mating/unmating cycles per para. 8.4.1 when tested at minimum deflection as caused by an .020" +/-.001" square pin. Measurement shall be taken in a manner simulatina actual use.
- 8.4 Durability
  - 8.4.1 For the 15 microinch gold over 50 microinch nickelplating option, the connector shallmeet the requirements of paras. 7.3 and 8.3 after the following sequential conditioning:
    - I. 50 mate/unmate cycles.
    - 2. Seventeen hours of Flowers of Sulfur per Molex test procedure.

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- 8.5 Terminal Strength
  - 8.5.1 Solder tails shall withstand two hand bending cycles per MIL-STD-202, Method 211A, Condition "B" with no evidence of breaking or cracking of the base metal at 20X magnification.
- 8.6 Solderability
  - 8.6.1 All terminals shall have 95% coverage per the requirements of MIL-STD-202, Method 208 with conditions as follows:

    I. Solder Composition: 60/40 tin-lead per QQ-S-571 Type S.
    - 2. Solder Temperature: 230°C +/- 5°C
    - 3. Flux Type: Mildly activated, type RMA per MIL-F-14256.
    - 4. Depth of Immersion: .080" (3.0mm)
- 8.7 Housing Retention

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- 8.7.1 A tensile force is applied at a rate of linch per minute to the housing perpendicular to the test board. The force at which the housing separates from the terminals is divided by the circuit size and recorded. This force to be 8 ounces minimum per terminal.
- 8.8 Individual Tensile (Surface Mount Only)
  - 8.8.1 A tensile force perpendicular to the test board is applied at a rate of I inch per minute to individual surface mount terminals without housings. The force at which the terminal separates from the board is to be greater than 3 lbs.

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- 8.9 Full Connector Tensile (Surface Mount Only)
  - 8.9.1 A tensile force perpendicular to the board is applied at a rate of linch per minute to the entire connector. The force at which the housing separates from the terminals should be greater than IIb. per terminalpair.
- 8.10 Shear Test (Surface Mount Only)
  - 8.10.1 A shear force parallel to the board and perpendicular to the lay of the connector is applied at a rate of Linch per minute. The force at which the connector distorts or shears off the board should be greater than 2 lbs.per terminal pair. See Fig 4.
- 8.11 Solder Joint Fatigue (Surface Mount Only)

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- 8.11.1 There shallbe no evidence of physical damage and contact resistance shallmeet the conditions of para. 7.3 and there shallbe no loss of electrical continuity greater than I microsecond after the following tests:
  - I. Tension: Subject the test board, as shown in Fig. 5, to .060" deflection perpendicular to the lay of the connector for 200 cycles. Repeat the above on a new sample except deflect parallel to the lay of the connector as shown in Fig. 6.
  - 2. Compression: Subject the test board as shown in Fig. 7 to .060" deflection perpendicular to the lay of the connector for 200 cycles. Repeat the above on a new sample except deflect parallel to the lay of the connector as shown in Fig. 8.

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### 9.0 ENVIRONMENTAL REQUIREMENTS

- 9.1 Resistance to Cleaning Solvents
  - 9.1.1 Any markings shall remain legible and no damage or deterioration of the connector shall occur when tested per MIL-STD-202, Method 215. The following solvents shall be used:

    1. 1-1-1 Trichloroethane
    - 2. Freon TMS and TMC
- 9.2 Temperatures
  - 9.2. The product is designed to operate at -55°C to 105°C continuous and withstand +219°C during vapor soldering without any deterioration of performance or physical damage.
- 9.3 Thermal Shock
  - 9.3.1 There shallbe no evidence of any physical damage. Connectors shall meet the dimensional requirements of the product drawings and contact resistance of para. 7.3. when tested per MIL-STD-202, Method 107. Condition A-1.
- 9.4 Temperature Life
  - 9.4.1 The requirements of paras. 7.3 and 8.3 shall be met following thermallife per MIL-STD-202, Method 108, Test Condition "C" (500 hours at 105°C). Connectors shall remain in initial mated or unmated condition throughout thermal exposure.

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- 9.5 Humidity (Cyclical)
  - 9.5.1 There shall be no evidence of physical damage, or discoloration and the requirements of paras, 7,1,7,2, and 7,3 shall be met following testing per MIL-STD-1344, Method 1002. Type II. 96 hours (omit steps 7A and 7B). Th the Connectors shall be mated during exposure.
- 9.6 Humidity (Steady State)
  - 9.6.1 There shallbe no evidence of physical damage, discoloration, or corrosion and the requirements of paras. 7.1.7.2. & 7.3 shallbe met following testing per MIL-STD-202 Method 103. Condition A. No polarizing voltage measurement shall be taken.
- 9.7 Resistance to Solder Heat
  - 9.7.1 There shall be no evidence of any physical damage and the connectors shall meet the dimensional requirements of the product drawings following:
    - I. MIL-STD-202, Method 210, Test Condition C (260° C 10 seconds).
    - 2. Standard wave soldering process.

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- 9.8 Vibration
- 9.8.1 There shallbe no evidence of any DRWG. NO. physical damage, loosening of parts or 8 loss of electrical continuity greater than I.O microsecond when mated T connectors are tested per MIL-STD-202. Ň REV. Method 204. Test Condition A. -79 79 SHT.  $\overline{0}$  $\overline{\circ}$ FILE NAME PS79 IO7.S I2 REVISE ONLY ON CAD SYSTEM REV. ΔΙ THIS DRAWING CONTAINS INFORMATION THAT IS PROPIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. SHT. 12



### 9.9 Mechanical Shock

9.9.1 There shall be no evidence of any physical damage or loosening of parts. Nor shall there be any interuption of electrical continuity longer than one microsecond when tested per MIL-STD-202F, Method 213B, Condition A:

1. 1/2 Sine Wave.

2. 50 G, Il millisecond pulse.

3. 3 shocks each along 3 mutually perpendicular axis, 18 shocks total.

### 9.10 Corrosive Atmosphere

9.10.1 Connectors shallmeet the requirements of para. 7.3 when exposed to Flowers of Sulfur following conditioning per para. 8.4.

### 10.0 QUALITY ASSURANCE PROVISIONS

10.1 Materials Inspection

IO.I.I Materials inspection shall consist of certification supported by verifying data. Mechanical, chemical and electrical testing shall be done on a random basis.

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II.I Unless otherwise specified, product will be packaged in tubes per packaging specifications PK-70783-0180 and PK-70783-0217.

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### 12.0 QUALIFICATION REQUIREMENTS

12.1 Ambient conditions for qualification shall be per para. 4.1

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- 12.2 Qualification testing shall be performed on samples taken from production lots.
- 12.3 Sample Grouping
  - I2.3.1 Test group I shall consist of (20) A-79107-0024 (50 circuit, 15u" gold, through hole), (2) A-79109-0024 (50 ckt, 15u" gold, surface mount) connectors, and (22) 87089-5013 headers.
  - I2.3.2 Test groups II & III shall consist of (16) A-79107-0024, (2) A-79109-0024 connectors, and (18) 87089-5013 headers each.
  - 12.3.3 Test group IV shall consist of (4) A-79107-0024 connectors.
  - 12.3.4 Test group V shall consist of (18)
    A-79107-0024 connectors mounted and loose as needed.
  - 12.3.5 Test group VI shall consist of (24) A-79109-0024 and (26) A-79109-0260 connectors.
- 12.4 Sample Preparation

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- 12.4.1 Through Hole: Four A-79107-0024 connectors are to be wave soldered to each through hole PC board.
- 12.4.2 Surface Mount: Solder paste consisting of metalalloy 63/37 eutectic tin-lead and a rosin mildly activated (RMA) flux is to be stenciled onto the solder lands of the surface mount boards in a layer no thicker than .010"(0.25mm). The surface mount connectors will then be vapor phase reflowed to the PC boards in approved equipment. Flourinert Liquid

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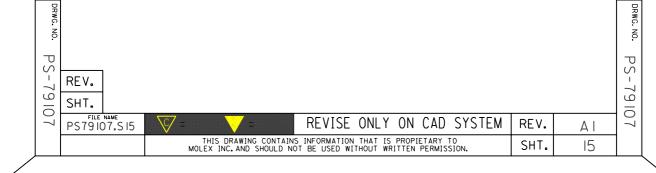
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FC-70 is to be used with a primary vapor zone reflow time of 15 seconds and a secondary vapor zone dwell time of 45 seconds. Each test board shall be cleaned immediately in a vapor degreaser and cleaned with freon TMS for at least 3 minutes.

12.5 Qualification testing shall be performed per the test sequence shown Figs. 9-15.





### PS-79107

### PRODUCT SPECIFICATIONS 2mm DUAL ROW VERTICAL RECEPTACLE ASSEMBLIES

### 13.0 APPENDIX

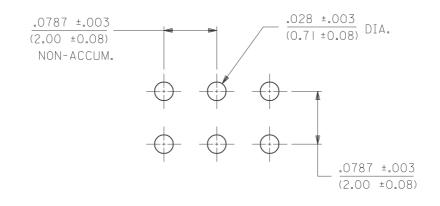
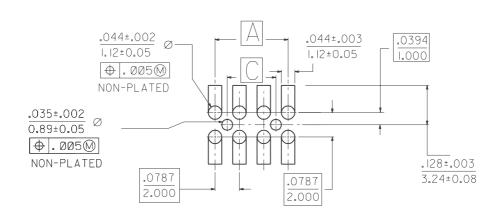


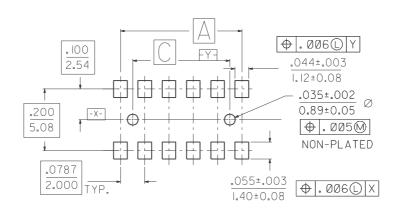
FIGURE | RECOMMENDED P.C. BOARD HOLE LAYOUT

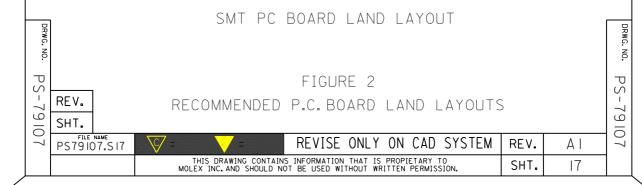
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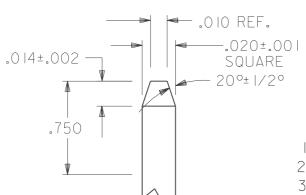


### BOTTOM ENTRY LAND LAYOUT





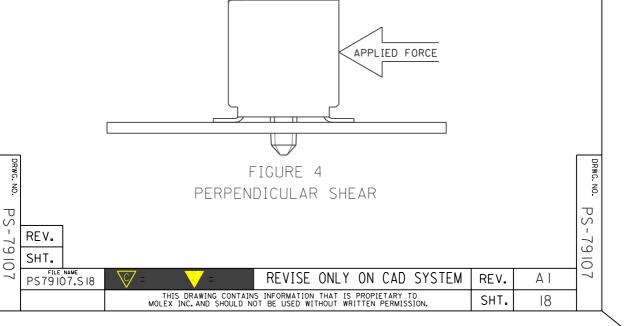




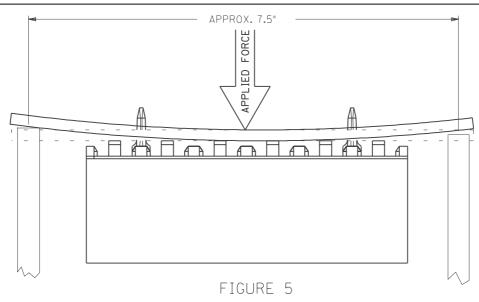
### NOTES:

- I. MATERIAL: TOOL STEEL.
- 2. FINISH: 4 MICROINCH MAX.
- 3..020±.001 MUST BE HELD OVER .750" DIMENSION.

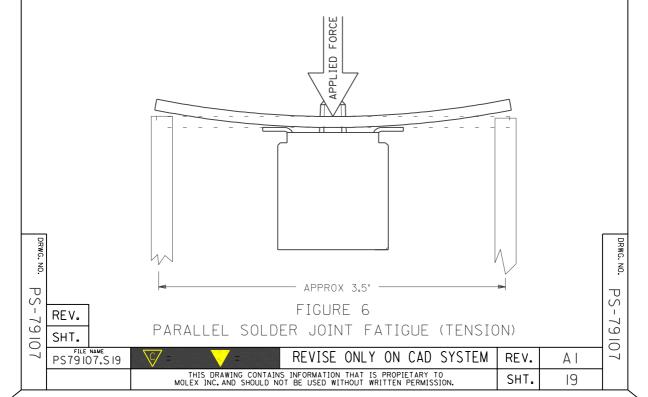
FIGURE 3
GAUGE PIN







PERPENDICULAR SOLDER JOINT FATIGUE (TENSION)





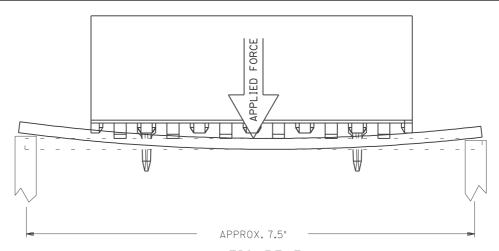
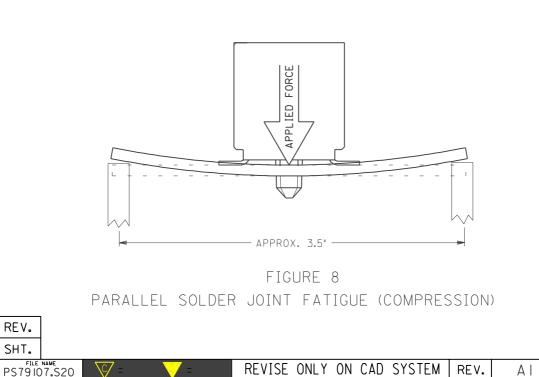


FIGURE 7 PERPENDICULAR SOLDER JOINT FATIGUE (COMPRESSION)



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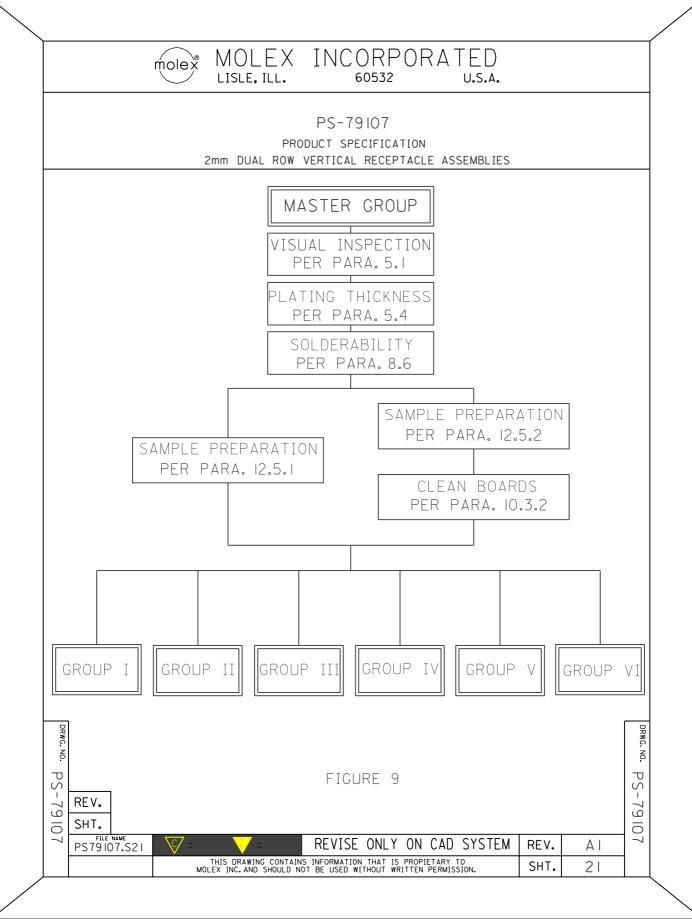
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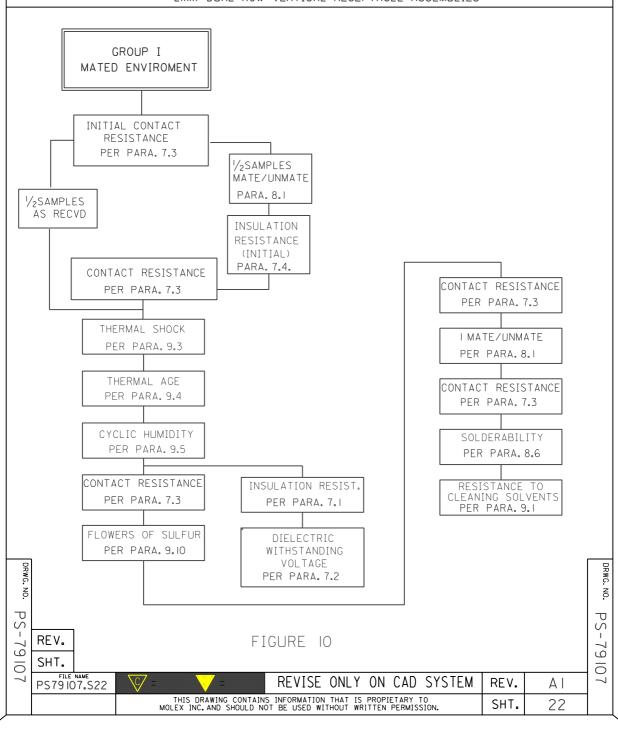




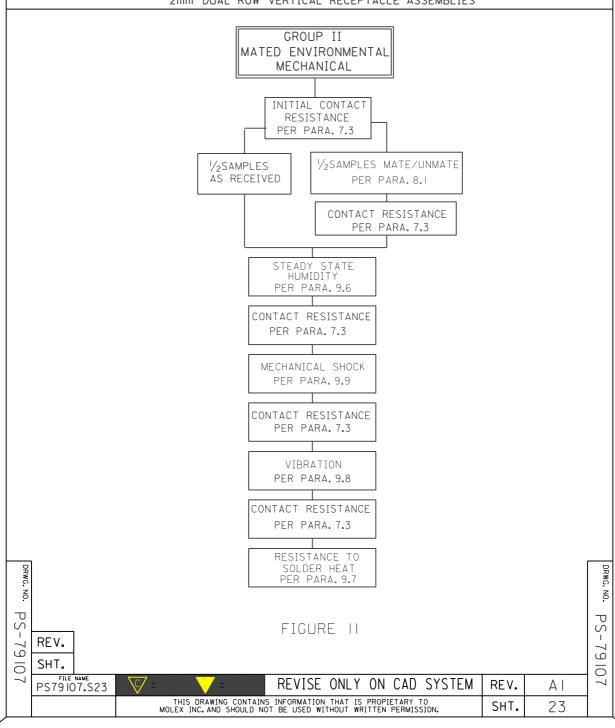
### PS-79107

PRODUCT SPECIFICATION

2mm DUAL ROW VERTICAL RECEPTACLE ASSEMBLIES





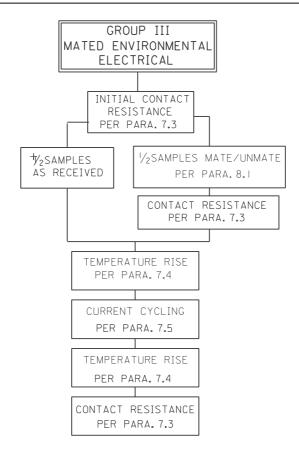


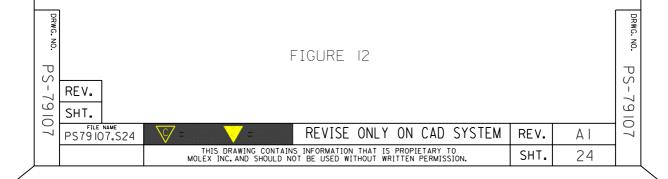


PS-79107

PRODUCT SPECIFICATION

2mm DUAL ROW VERTICAL RECEPTACLE ASSEMBLIES

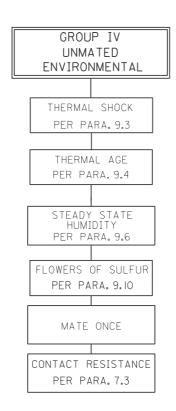


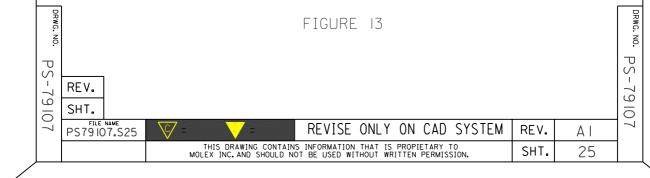


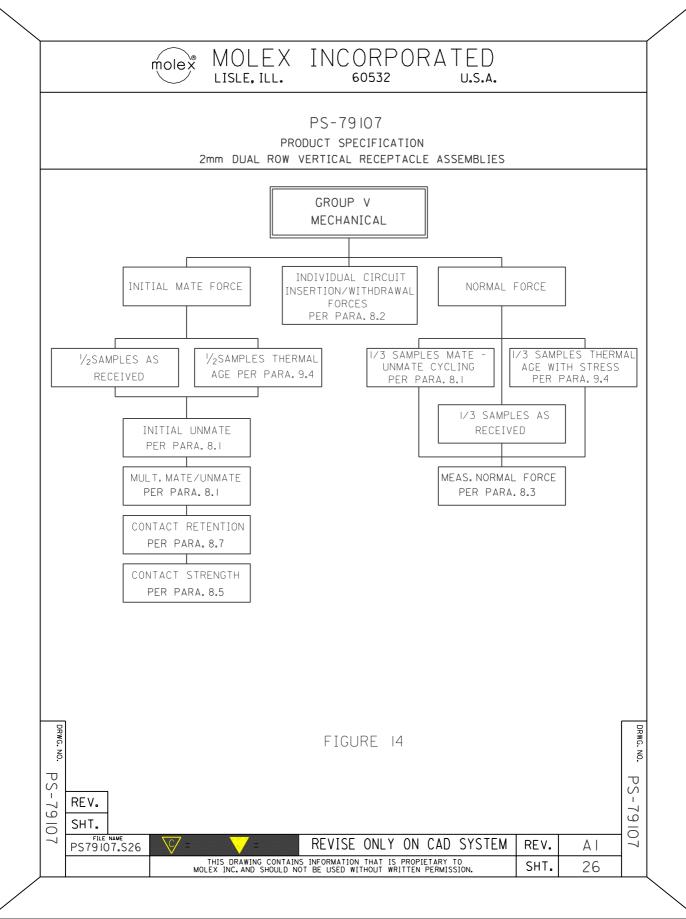


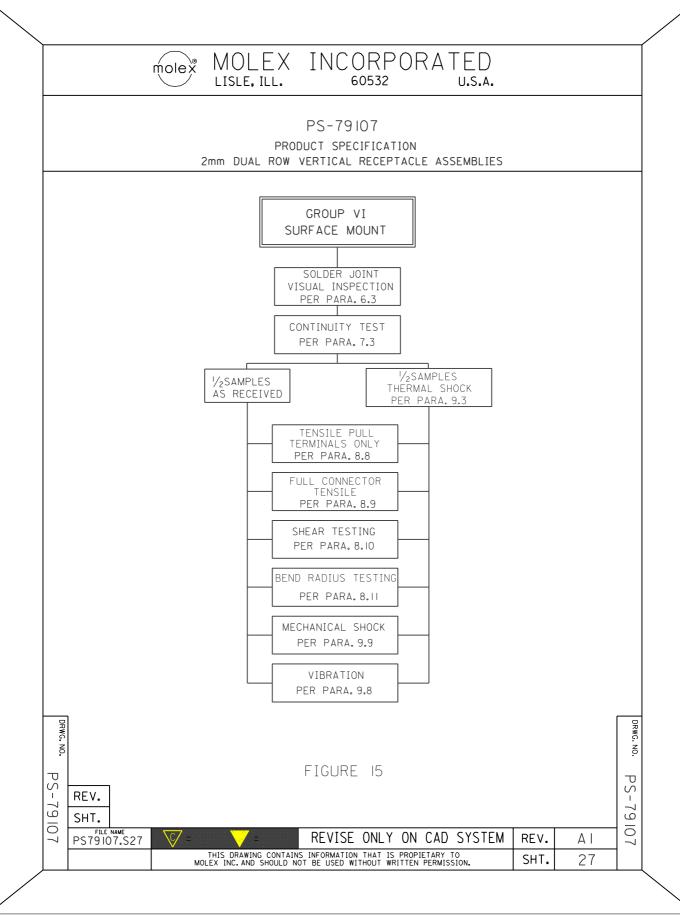
PS-79107

PRODUCT SPECIFICATION
2mm DUAL ROW VERTICAL RECEPTACLE ASSEMBLIES











REV.	COMMENTS	DATE	ENG.
_ l_	X-Release per ERO 28846	08/29/92	MJM
_2_	Revised to CAD per ECR U10973_	05/20/91	RWB
_3_	Mod_Sec2.3.lper_ECR_UII204	07/10/91	RWB
_4_	Mod_Sec2.3.2_per_ECR_UII8I4	09/03/91	RWB
_5_	Mod_Sec4.3_per_ECR_U!2276	11/25/92	RWB
_6_	<u>Re-wrote Spec per ECN U20337</u>	02/28/92	<u>RWB</u>
_A_	<u>Re-wrote Spec per ECN U40449</u>	04/04/94	<u>WGM</u>
_ <u>A</u> <u>I</u>	Relto_S'pore_per_ECN_#S2001-0287	010426	SEE

DRWG. NO. PS-79107

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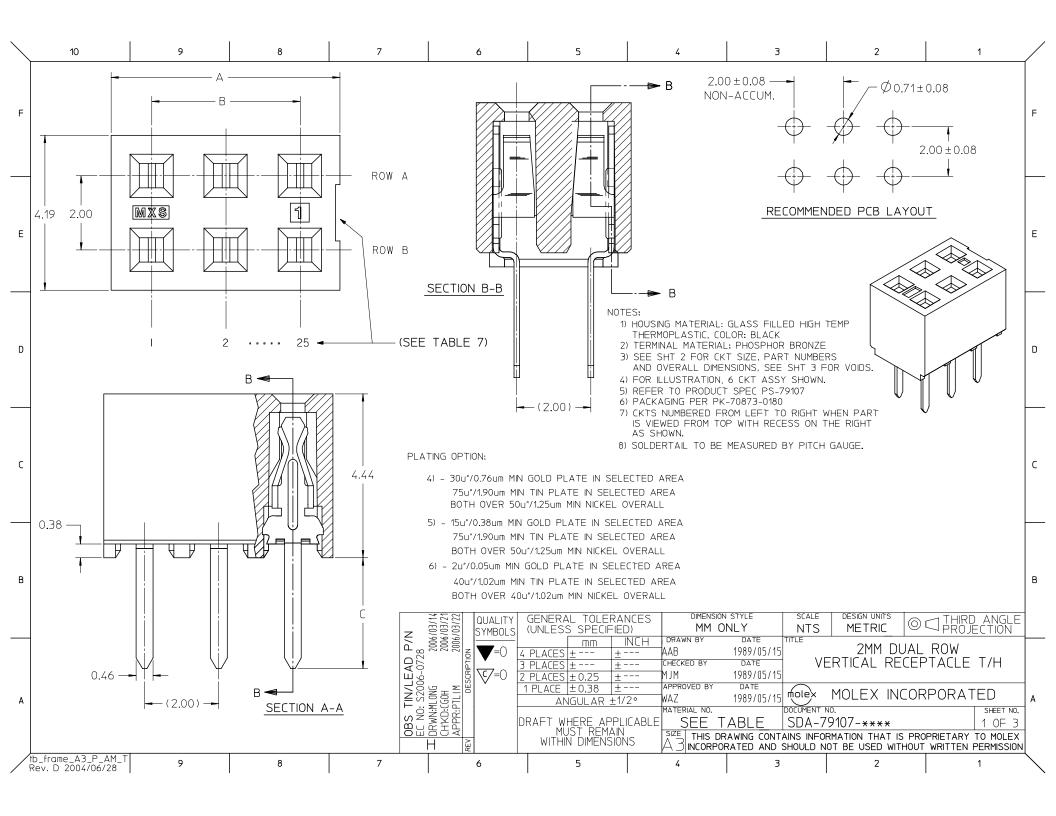
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P.C.TAL DMENSION C - 3.00  P.C.TAL DMENSION C - 4.01  FKT DM 'A'  FIRT DM 'A'  FIR	CKT DIM 'A' DIM '3' PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING OPTON 5 PLATING OPTON 5 PLATING OPTON 6 PLATING OPTON 5 PLATING S PLATING OPTON 5		10	9	8	7	6	5	4	3	2	1
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Color   Dim   A   Dim   B   Dim	CKT   DIM 'A'   CIM 'B'				P.C.	TAIL DIMENSIOI	√ 'C' = 3.00		P	C.TAIL DIMENSIO	DN 'C' = 1.91	
Size	SIZE		CKT NIM 'A'	DIM 'B'	PLATING OPTION 5	PLATING OF	TION 4 PL	ATING OPTION 6	PLATING OPTION 5	PLATING OP	TION 4 PL	ATING OPTION 6
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THIRD ANGLE	THIRD ANGLE   THE PROPRIETARY TO MOLE   TH		46 (46.19)	(44.00)	79107-7022	79107-	7072 X	79107-7147	79107-7222	79107	-7272 X	79107-7347
THIRD ANGL    Value	OUALITY SYMBOLS  VERTICAL TOLERANCES DIMENSION STYLE SCALE DESIGN UNITS OF THIRD ANGLE OF THE PROJECTION  OUNCESS SPECIFIED  OUALITY SYMBOLS		48 (48.19)	(46.00)	79107-7023	79107-	7073 X	79107-7148	79107-7223	79107	-7273 X	79107-7348
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3 PLACES ± ± CHECKED BY DATE VERTICAL RECEPTACLE T/H 2 PLACES ± 0.25 ± MJM 1989/05/15 Follow MOLEX INCORPORATED ANGULAR ± 1/2° WAZ 1	3 PLACES ± ± CHECKED BY DATE 1989/05/15  2 PLACES ± 0.25 ± MJM 1989/05/15  1 PLACE ± 0.38 ± APPROVED BY DATE 1989/05/15  ANGULAR ± 1/2° WAZ 1989/05/15  DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  DRAFT WHERE APPLICABLE SEE TABLE SDA-79107-**** 2 OF SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLE MICORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					Z	CONTRACTOR OF THE PROPERTY OF	GENERAL TOLER (UNLESS SPECIF	ANCES DIMENSION S ED) MM ONI	_Y NTS	METRIC	● □ PROJECTION
I   I   I   I   I   I   I   I   I   I						OBS TIN/LEAD	CHYECGOH CHYECGOH APPR:PTLIM DESCRIPTI	3 PLACES ± 2 PLACES ± 0.25 1 PLACE ± 0.38 ANGULAR ±  DRAFT WHERE API	+ CHECKED BY + MJM 1 + APPROVED BY 1/2 WAZ 1 MATERIAL NO. PLICABLE SFF TA	989/05/15  DATE 989/05/15  DATE 989/05/15  DOCUMENT NI  BLE SDA-79	ERTICAL REC MOLEX INC 0. 9107-***	ORPORATED  SHEET N. 2 OF

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F					-	ASSEMB	LIES	WITHOUT	PEGS						F
		Γ													
			AS	SSEMBLY		VOID SEE SHEET	LOCATION 1 FOR C		PLATING OPTION	DIM. "A"	DIM. "B"	P.C. TAIL DIM. "C"			
Е		CKT. SIZE	٦٦	TEM NO.		ROW	Ck	(T. NO.(s)	01 11011			טוויו. כ			E
		24		79107-5101		ROW B		6	5	(24,19)	(22.00)	(3.00)			
		10	;	79107-5102		ROW A		5	5	(10.19)	(8.00)	(3,00)			
D		26		79107-5103		ROW B		5	5	(26.19)	(24.00)	(3.00)			D
	"X" - DENOTES THE ITEM IS NOT AVAILABLE CURRENTLY.														
С															С
				NOTES 1. TERM	1INALS WII	LL BE PRESE	ENT IN VO	DIDED LOCAT	IONS HOWEV	VER, PIN WIND	OWS WILL BE	E CLOSED.			
				2. VOID	'S CANNO	T BE PRESEI	NT IN BO	TH ROWS ON	I A CONNECT	TOR.					
В															В
						/N // // // // // // // // // // // // /	QUALITY SYMBOLS	GENERAL (UNLESS S	FOLERANCES PECIFIED)	DIMENSION S  MM ONI  DRAWN BY		S METRIC	TS 0 <	THIRD ANG PROJECTION	N LE
						AD P, 20028 200 200	NoTF¶	4 PLACES ± = 3 PLACES ± =	± ±	AAB CHECKED BY	1989/05/15 DATE	2MM VERTICAL	DUAL F RECEPT	YOW ACLE T/H	
А						TIN/LE S2006. 1LONG 1COH		2 PLACES ± 0 1 PLACE = ± 0 ANGU	.25  ± .38  ± _AR ±1/2°	MJM APPROVED BY WAZ	1989/05/15 DATE 1989/05/15 MOLE	× MOLEX	INCORP	ORATED	Α
						OBS - EC NO: DRWN:M CH'KD:C	<u> </u>	DRAFT WHER	TOLERANCES PECIFIED) nm INCH - ± ±25 ±38 ±AR ±1/2° PE APPLICABLE REMAIN MENSIONS	MATERIAL NO.  SEE TA	BLE SDA	<u>-79107-***</u>		SHEET 3 OF	: 3
#	b_frame_A3_P_AM_T Rev. D 2004/06/28	9		8	7		G RE	WITHIN D	IMĒNSIÖNS	THIS DRAY INCORPORA	TED AND SHOUL				
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