**QUALIFICATION TEST ONLY:**

B TO 125

SEE NOTES 13 & 14

1. HE LEAK TEST: AT ATMOSPHERE PRESSURE, SIXCYCLES/6 C.C. OR LESS.

2. PRODUCTION HYDRO TEST: 630 VDC 500 MEGOHMS MINIMUM 0.03 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.

3. QUALIFICATION TEST ONLY:
   A) GROUNDING IMPEDANCE TEST PER UL 1977 SECTION 21. THIS TEST IS CONSIDERED A DESTRUCTIVE TEST.
   B) DIELECTRIC VOLTAGE-WITHSTAND TEST PER UL 1977 SECTION 17. THIS TEST IS CONSIDERED A DESTRUCTIVE TEST.

4. CONTINUITY TEST: <0.1 OHM PIN TO SOCKET WITH MATING CONNECTORS.

5. SUGGESTED OPERATING VOLTAGE: 600 VAC.

6. CURRENT RATING: 13 AMPS.

7. STAINLESS STEEL SHIELDING TERMINATION BANDS FOR ITEMS 13 & 14 ARE INCLUDED BUT NOT SHOWN.

8. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN ±0.009 [±0.03] ARE ACCEPTABLE ON ALL OTHER SURFACES.

9. ALL PARTS MUST PASS ALL TESTS.

10. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN ±0.009 [±0.03] ARE ACCEPTABLE ON ALL OTHER SURFACES.

11. C.

12. THE ## IN THE PAVE PART NUMBER, COMPONENT PART NUMBERS & ASSOCIATED DESCRIPTIONS IS FOR KEYING IDENTIFICATION. KEYS ARE FROM "1" THROUGH "6".

13. REF-OPERATING TEMPERATURE -20 TO 125°C 16.20

14. SPARE "FMLB" CONTACTS USE PAVE PART NUMBER: 4236-1-16P.

15. WILL BE SLIGHTLY LONGER FOR FIRST MATE/LAST BREAK ("FMLB"). TO ORDER SPARE "FMLB" CONTACTS USE PAVE PART NUMBER: 4236-1-16P.

16. ADD "NP" TO THE PAVE PART NUMBER.

17. SPARE PENETRATORS ADD "NP" TO THE PAVE PART NUMBER. THIS INDICATES ITEMS 13 & 14 (PLUGS) ARE NOT INCLUDED, ALL OTHER ITEMS LISTED IN THE BILL OF MATERIALS WILL BE INCLUDED. PART EXAMPLE: PAVE#: PT-4116-3NP INDICATES ITEMS 13 & 14 (PLUGS) ARE NOT INCLUDED, ALL OTHER ITEMS LISTED IN THE BILL OF MATERIALS WILL BE INCLUDED.

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**CONNECTOR TOOLING INFORMATION**

<table>
<thead>
<tr>
<th>TOOL NUMBER</th>
<th>TOOL FUNCTION/DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2520-1-01</td>
<td>HAND CRIMP TOOL MIL-SPEC</td>
</tr>
<tr>
<td>M2520-1-04</td>
<td>C-RAP FORCE TOOL FOR M2520-1-01</td>
</tr>
<tr>
<td>ATML 0807B</td>
<td>INSERTION TOOL #16 CONTACT</td>
</tr>
<tr>
<td>ATML 0808B</td>
<td>REMOVAL TOOL #16 CONTACT</td>
</tr>
<tr>
<td>600 061</td>
<td>BANDING INSTALLATION TOOL</td>
</tr>
</tbody>
</table>

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**ITEMS LISTED**

<table>
<thead>
<tr>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>4070</td>
<td>HOUSING VSM42-SS (304SS)</td>
</tr>
<tr>
<td>3</td>
<td>4288</td>
<td>ADAPTER AWSR NYLATRON C4 15/16-20</td>
</tr>
<tr>
<td>3</td>
<td>4289</td>
<td>ADAPTER ARRR NYLATRON C4 15/16-20</td>
</tr>
<tr>
<td>3</td>
<td>4070</td>
<td>HOUSING VSM42-SS (304SS)</td>
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<tr>
<td>1</td>
<td>4116SR</td>
<td>BAND 300 SERIES SS 8.125&quot; X .120&quot; PRE-COILED</td>
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<tr>
<td>7</td>
<td>4236</td>
<td>PIN #16 FMLB (Au OVER Ni PLATED BeCu)</td>
</tr>
<tr>
<td>2</td>
<td>8116SK</td>
<td>BAND 300 SERIES SS 8.125&quot; X .120&quot; PRE-COILED</td>
</tr>
<tr>
<td>1</td>
<td>2951</td>
<td>RCPT CAP W/ WIRE ROPE LANYARD &amp; ATTACHMENT RING SS</td>
</tr>
</tbody>
</table>

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**DIMENSIONS ARE MILLIMETERS [INCHES].**

- 2X 0.0207
- 2.635±.015
- 33.17±0.38
- 66.93±0.38
- SCALE 6 : 1

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**PART NUMBER TOOLING INFORMATION**

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<td>600 061</td>
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**RECOMMENDED INSTALLATION PORT FOR PT/VM42**

- PT-4116-# BANDING INSTALLATION TOOL
- PT-VSM42-SS 150-8-16-6MMC 16PS#

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**NOTES:**

- SEE NOTES 13 & 14
- SPARE PENETRATOR ORDERING INFORMATION
- See Note 15
- See Note 14
- See Note 14
- See Note 15

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**SPARE CONTACT, BANDING, & PROTECTIVE CAP ORDERING INFORMATION**

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<td>4236</td>
<td>PIN #16 FMLB (Au OVER Ni PLATED BeCu)</td>
</tr>
<tr>
<td>2</td>
<td>4236-1-105</td>
<td>SOC, #16 (Au OVER Ni PLATED BeCu W/36 HOOD)</td>
</tr>
<tr>
<td>2</td>
<td>4116SK</td>
<td>BAND 300 SERIES SS 8.125&quot; X .120&quot; PRE-COILED</td>
</tr>
<tr>
<td>1</td>
<td>2951</td>
<td>RCPT CAP W/ WIRE ROPE LANYARD &amp; ATTACHMENT RING SS</td>
</tr>
</tbody>
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**BANDING INSTALLATION TOOL**

- 600-061 BANDING INSTALLATION TOOL
- ATML 0807B INSERTION TOOL #16 CONTACT
- ATML 0808B REMOVAL TOOL #16 CONTACT
- 600 061 BANDING INSTALLATION TOOL

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**CONNECTION TOOLS & ACCESSORIES INFORMATION**

- www.pavetechnologyco.com
- tel (937) 890-1100
- fax (937) 890-5165
- U.S.A.
- Dayton, OH 45414-3445
- 2751 Thunderhawk Court

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**COMPONENT PART NUMBERS & ASSOCIATED DESCRIPTIONS**

- PIN #16 FMLB (Au OVER Ni PLATED BeCu)
- SOC, #16 (Au OVER Ni PLATED BeCu W/36 HOOD)
- BAND 300 SERIES SS 8.125" X .120" PRE-COILED
- RCPT CAP W/ WIRE ROPE LANYARD & ATTACHMENT RING SS

---

**CONTACT TOOLING INFORMATION**

- 600-061 BANDING INSTALLATION TOOL
- ATML 0807B INSERTION TOOL #16 CONTACT
- ATML 0808B REMOVAL TOOL #16 CONTACT
- 600 061 BANDING INSTALLATION TOOL