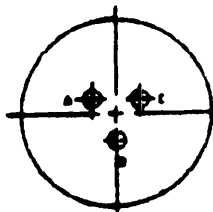
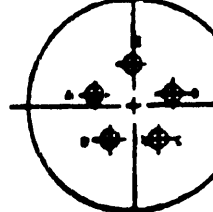
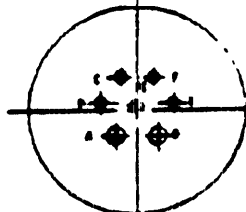
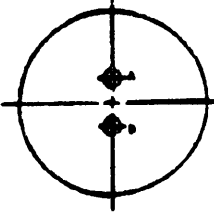


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This standard has been approved by the Department of Defense for use by the military. All other military standards are subject to review and approval by the Department of Defense.

<p>RECEPTACLE RE3100A10-100</p>  <p>115 V AC 50/60 Hz SINGLE PHASE TYPE 1000</p> <p>SEE FIG. 1000-100 WITH RE3100-100 CABLE CLAMP</p>		<p>RECEPTACLE RE3100A10-100</p>  <p>115 V AC 50/60 Hz SINGLE PHASE TYPE 1000</p> <p>SEE FIG. 1000-100 WITH RE3100-100 CABLE CLAMP</p>																																													
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<p>ELECTRONIC TEST EQUIPMENT POWER RECEPTACLE 25 V DC ± 500 mV AC, 50 AMP MAX. RE3100A10-100 OR RE3100A10-101 FOR WIRING SEE RE3100-100</p>  <p>SEE FIG. 1000-100 WITH RE3100-100 CABLE CLAMP</p>		<p>RECEPTACLE RE3100A10-100</p>  <p>25 V DC ± 500 mV AC SEE FIG. 1000-100 WITH RE3100-100 CABLE CLAMP</p> <p>NEGATIVE WHITE POSITIVE BLACK</p>																																													
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<p>PA Air Force-II Spec. 1000</p>		<p>MILITARY STANDARD MS27609(USAF)</p>																																													

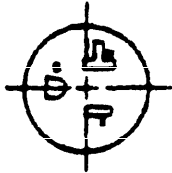
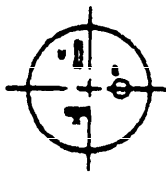
DD FORM 672-1 (Rev. 10-66)

REPLACES DD FORM 672-1, 10-66

Project 5935-F320

APPROVED 19 JULY 1970 RETIRED (A) 25 Sep 87

3

MIL-STD-27609
MSRECEPTACLE - STYLE 1,
SPEC W-C-200MATING PLUG - STYLE 1,
SPEC W-C-200

111.7 K. OF IN. LITERAL CHANGE IN AMP SERVICE.
WIRE GAUGE IS WIRE 1-20 IN. DIA. (17.5-18)

WIRE GAUGE CODES FOR DO IN		
RECEPTACLE	TERMINAL	PLUG
WIRE-GAUGE 1	1	WIRE-GAUGE 1
WIRE-GAUGE 2	2	WIRE-GAUGE 2
WIRE-GAUGE 3	3	WIRE-GAUGE 3
WIRE-GAUGE 4	4	WIRE-GAUGE 4
WIRE-GAUGE 5	5	WIRE-GAUGE 5
WIRE-GAUGE 6	6	WIRE-GAUGE 6

RECEPTACLE WIRE GAUGE
IS ACCORDANCE WITH
NATIONAL ELECTRICAL CODE

PLUG WIRE GAUGE IS ACCORDANCE
WITH NATIONAL ELECTRICAL
MANUFACTURERS ASSOCIATION AND
NATIONAL STANDARD
INSTITUTE

NOTES:

- FOR GROUND USE AS PRIMARY POWER INPUT TO PORTABLE POWER TOOLS, SHOP, OFFICE AND TEST EQUIPMENT.
- NOT FOR USE WITH INSTALLED EQUIPMENT. FOR AIRCRAFT INSTALLATION COMPLY WITH MIL-E-7000 OF MIL-W-2000. FOR GROUND INSTALLATION COMPLY WITH NATIONAL ELECTRICAL CODE.
- SAFETY REQUIREMENTS - ALL SAFETY GROUND CONDUCTORS SHALL BE DISCREETLY CARRIED AND SHALL BE CONNECTED AS FOLLOWS:
 - RECEPTABLES - THROUGH THE EXTERIOR TERMINAL TO AN EARTH GROUND.
 - PLUGS - POWER CABLES - THROUGH THE GROUNDING TERMINAL AND ATTACHED TO THE EQUIPMENT FRAME.
- POWER CABLES SHALL NOT EXCEED 5 FEET IN LENGTH AND SHALL CONFORM TO -
 - POWER USE, CLASS 60, MIL-C-3400 OR COMMERCIAL TYPE 60.
 - OUTSIDE USE, CLASS 60, MIL-C-3400 OR COMMERCIAL TYPE 60.
- WIRE SIZE OF POWER CABLES SHALL BE AS FOLLOWS: #12 UP TO 20 AMP LOADS; #10 UP TO 30 AMP LOADS.
- ALTERNATE PLUG FOR W/1311 - WHEN APPROVED BY THE PRESCRIBING ACTIVITY, A PLUG CONFORMING TO STYLE 2, W-C-200 MAY BE A REPLACEABLE SELF RESTORING OPERATING BLADE MAY BE USED.
- THIS IS A DESIGN STANDARD NOT TO BE USED AS A PART NUMBER.
- FOR DESIGN PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PRECEDENT DOCUMENTS SPECIFIED HEREIN.
- REFERENCES DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF NOTIFICATION FOR DADS.
- PLUGS AND RECEPTABLES FOR DO IN SERVICE SHALL BE EQUIPPED WITH GROUND GRIP.

APPROVED 15 JULY 1970 REVISED

P.A. Av Force-5	TITLE	MILITARY STANDARD
Other Code	ELECTRICAL CONNECTIONS FOR TEST EQUIPMENT AND GENERAL UTILITY	MS27609(USAF)
PREPARED BY None	APPROVED	DATE

DD FORM 672-1 (Replaces DD FORM 672-1)

EDITION OF 1-60 OF DD FORM 672-1