

# MS3100E22-14S

## Part Number Details

ittPartNo	MS3100E22-14S
Global Mfg Part No.	024216-0044
line	MIL-DTL 5015 Series I
series	MIL-C-5015
category	Circular
brand	Cannon

Thread	Connector with threaded coupling
Shell Style	Wall mounting receptacle
Endbell Style	Endbell with clamp and bushing
Gender	Socket
Shell Size	22
Contact Arrangement	22-14
Number of contacts	19 contacts size 16
Contact Type	Solder Cup
Contact Plating	Hard silver
Contacts installed	yes
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S)	22 A
Contact Resistance (Size 15/15S/16/16S)	6 mΩ
Operating Voltage	In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41.
Insulator Resistance	Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ
Test Voltage	1600 Vrms
Air and Creepage Paths (Min)	1,1 mm
Ambient Temperature	Standard insulator material -55°/+125°C (-67/257°F)
Safety Provisions	IP65 acc. to DIN 40 050
Salt Spray Resistance	500 hours salt spray resistant
Mating Cycles	500 min
Sep. Force per Contact (Size 15/15S/16/16S)	1,0 N
Gage	For infos on Gage please see catalog VG95234, part 1
Coupling Torque	Closing: 11 Nm max / Opening: 0,8 Nm min

Contact Retention (Size 15/15S/16/16S)	35 N
Shell Material	Aluminium alloy
Shell Plating	Olive drab chromate coating over cadmium plating
Insulator and Gromet Material	Neoprene
Contact Material	Copper alloy
Harnessing Info: Contact Cross-Section	<a href="#">See assembly instruction</a>
Harnessing Info: Insulator Diameter	<a href="#">See assembly instruction</a>
Wire Stripping (Size 15/15S/16/16S)	6,2 mm
General Info	<i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>
SC_P_Code	CA
rohsCompliantFlag	NO
rohsCompliantString	material restrictions of lead, cadmium, hexavalent chromium, mercury, poly bromated biphenyl ether (PBB) and poly bromide diphenyl ether (PBDE) according to directive 2011/65/EU

Drawings for this part are available. Upon request your will be asked to provide your contact information at which time the appropriate drawing files will be sent to you via email.

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A datasheet is available for download.

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Part Number	Distributor	Qty	Location
<a href="#">MS3100E22-14SF187</a>	<a href="#">PEI-Genesis, Inc.</a>	331	United States
<a href="#">MS3100E22-14SW</a>	<a href="#">PEI-Genesis, Inc.</a>	349	United States
<a href="#">MS3100E22-14S</a>	<a href="#">Arrow Electronics</a>	75	United States
<a href="#">MS3100E22-14SF187</a>	<a href="#">Arrow Electronics</a>	314	United States
MS3100E22-14S	<a href="#">Pan Pacific Electronics, Inc.</a>	6	United States
<a href="#">MS3100E22-14S</a>	<a href="#">PEI-Genesis, Inc.</a>	349	United Kingdom
<a href="#">MS3100E22-14SF187</a>	<a href="#">Digi-Key Electronics</a>	336	United States
<a href="#">MS3100E22-14SW</a>	<a href="#">Digi-Key Electronics</a>	336	United States
<a href="#">MS3100E22-14SW</a>	<a href="#">Newark element14</a>	336	United States
MS3100E22-14S	<a href="#">Electronic Connector Company</a>	97	United States
<a href="#">MS3100E22-14SW</a>	<a href="#">PEI-Genesis, Inc.</a>	349	United Kingdom
<a href="#">MS3100E22-14SW</a>	<a href="#">TTI Inc</a>	40	United States
<a href="#">MS3100E22-14SZ</a>	<a href="#">Newark element14</a>	336	United States
<a href="#">MS3100E22-14SZ</a>	<a href="#">PEI-Genesis, Inc.</a>	331	United States
<a href="#">MS3100E22-14SZ</a>	<a href="#">Digi-Key Electronics</a>	336	United States
<a href="#">MS3100E22-14SF187</a>	<a href="#">Newark element14</a>	336	United States
<a href="#">MS3100E22-14S</a>	<a href="#">Arrow Electronics</a>	17	United States
<a href="#">MS3100E22-14S</a>	<a href="#">Newark element14</a>	336	United States
<a href="#">MS3100E22-14SF187</a>	<a href="#">PEI-Genesis, Inc.</a>	331	United Kingdom
<a href="#">MS3100E22-14S</a>	<a href="#">PEI-Genesis, Inc.</a>	349	United States
<a href="#">MS3100E2214SW</a>	<a href="#">Arrow Electronics</a>	314	United States
MS3100E22-14SF80	<a href="#">Electronic Connector Company</a>	97	United States

<a href="#">MS3100E2214SZ</a>	<a href="#">Arrow Electronics</a>	314	United States
<a href="#">MS3100E22-14SZ</a>	<a href="#">PEI-Genesis, Inc.</a>	331	United Kingdom
<a href="#">MS3100E22-14S</a>	<a href="#">Digi-Key Electronics</a>	336	United States
<a href="#">MS3100E22-14S</a>	<a href="#">TTI Inc</a>	40	United States
<a href="#">MS3100E2214S</a>	<a href="#">Arrow Electronics</a>	314	United States
MS3100E22-14S-COM	<a href="#">Pan Pacific Electronics, Inc.</a>	6	United States

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