

EN3[®] RIGHT ANGLE PC BOARD MOUNT 2-18 CONTACT

NEW PRODUCT BULLETIN 597

SWITCHCRAFT[®]

A HEICO COMPANY



Please visit www.switchcraft.com for the most up-to-date product specifications. Made in USA.

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FEATURES & BENEFITS

- Sealed to IP68 NEMA 250 (6P)
- O-ring free design
- Easily mounts to PC boards
- Narrow or wide versions to fit your applications
- Gold plated contacts standard

APPLICATIONS

- Any sealed data transmission
- Military or industrial GPS location devices
- Instrumentation
- Medical data carts
- Marine Applications
- Transportation
- General industrial electronic applications



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SPECIFICATIONS

Mechanical Specifications

Vibration:	Mil-Std 202G Method 201A
Life:	600 insertion/withdrawal cycles minimum
Hex Nut Torque:	8-10 in/lb tightening torque

Electrical Specifications

Dielectric Withstanding Voltage:	Tested at 500 VAC
Insulation Resistance:	100 MΩ minimum at 77°F
Contact Resistance (2-8 #20 contact):	15 mΩ maximum initial 30 mΩ maximum after environmental
Contact Resistance (9-18 #26 contact):	30 mΩ maximum initial 50 mΩ maximum after environmental
Current Rating:	2.0 A (9-18 #26 contact) 4.0 A (5-8 #20 contact) 5.0 A (2-4 #20 contact)

Environmental Specifications

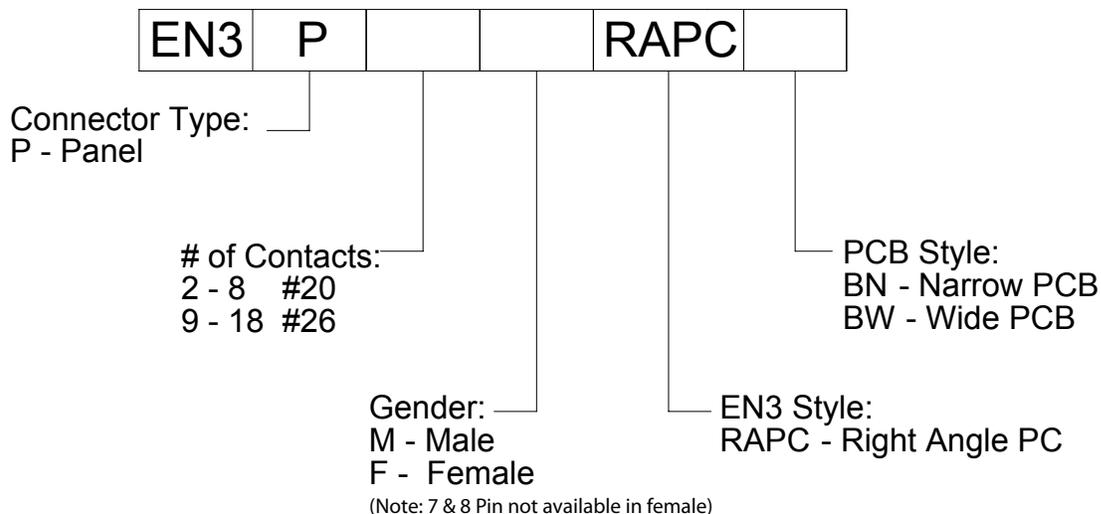
Temperature Rating:	-40°C to +65°C (-40°F to +149°F)
Moisture Resistance:	Mil-Std 202G Method 106G
Insulation Resistance:	Mil-Std 202G Method 302
Thermal Shock:	Mil-Std 202G Method 107G
Salt Spray:	Mil-Std 202G Method 101E

Material Specifications

Panel Connector Shell, Locking Disk:	Thermoplastic, UL94V-0
Connector Shell Interior:	Thermoplastic Elastomer, UL94HB
Contacts:	Copper Alloy, Gold over Nickel Plate
PCB:	FR-4
Header Insulator:	Thermoplastic, UL94V-0

Product Ratings:

IEC 60529 IP16/IP18. IEC 60529 IP66. IEC 60529 IP68 24 hours at 2 meters of water.
NEMA 250 6P 24 hours at 2 meters of water. CFR 46 Part 110.20

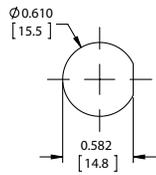


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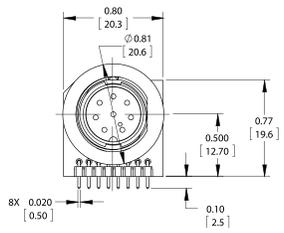
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EN3 2-8 PIN RIGHT-ANGLE NARROW PCB PANEL CONNECTOR

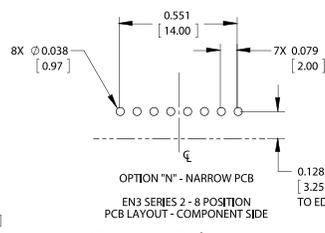
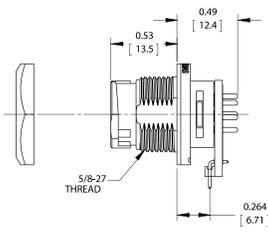


RECOMMENDED
PANEL CUT-OUT
0.188 MAX PANEL
THICKNESS

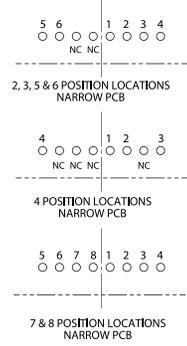
MOUNTING NUT
8-10 INCH-LBS
MAX TORQUE



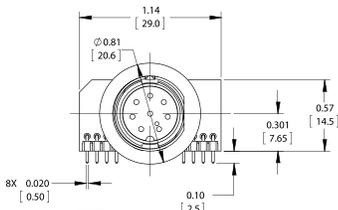
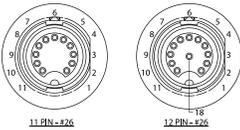
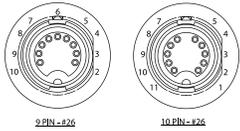
OPTION "N"
EN3 SERIES 2 - 8 POSITION
NARROW PCB
EN3P8MRAPCBN SHOWN
(NOT AVAILABLE IN FEMALE 7 & 8 POSITION)



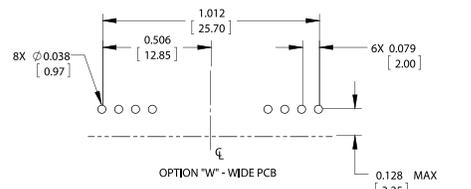
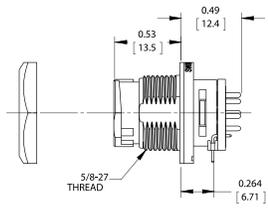
NOTE: ALL HOLES REQUIRED REGARDLESS
OF NUMBER OF POSITIONS OF CONNECTOR



EN3 2-8 PIN RIGHT-ANGLE WIDE PCB PANEL CONNECTOR



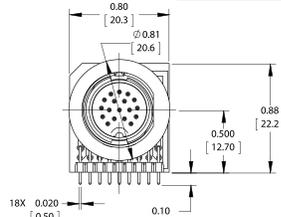
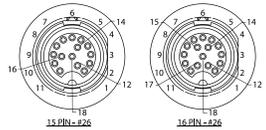
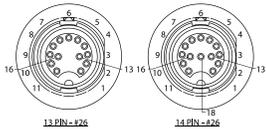
OPTION "W"
EN3 SERIES 2 - 8 POSITION
WIDE PCB
EN3P8MRAPCBW SHOWN
(NOT AVAILABLE IN FEMALE 7 & 8 POSITION)



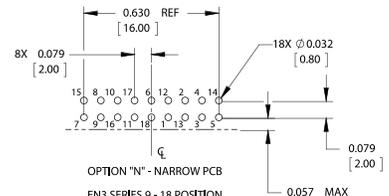
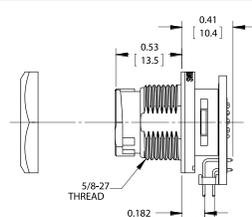
NOTE: ALL HOLES REQUIRED REGARDLESS
OF NUMBER OF POSITIONS OF CONNECTOR



EN3 9-18 PIN RIGHT-ANGLE NARROW PCB PANEL CONNECTOR

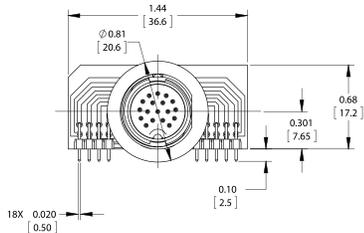
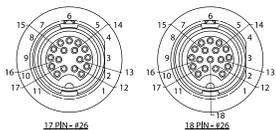


OPTION "N"
EN3 SERIES 9 - 18 POSITION
NARROW PCB
EN3P18MRAPCBN SHOWN

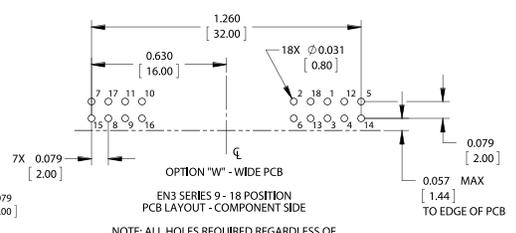
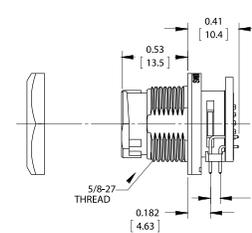


NOTE: ALL HOLES REQUIRED REGARDLESS
OF NUMBER OF POSITIONS OF CONNECTOR
SEE EN3 9-18 PIN LOCATIONS

EN3 9-18 PIN RIGHT-ANGLE WIDE PCB PANEL CONNECTOR



OPTION "W"
EN3 SERIES 9 - 18 POSITION
WIDE PCB
EN3P18MRAPCBW SHOWN



NOTE: ALL HOLES REQUIRED REGARDLESS OF
NUMBER OF POSITIONS OF CONNECTOR
SEE EN3 9-18 PIN LOCATIONS

EN3 9-18 PIN LOCATIONS
FRONT VIEW OF CONNECTOR
(MATING SIDE)

NUMBERS SHOWN FOR REFERENCE.
THEY DO NOT APPEAR ON
ACTUAL PART

All dimensions are for reference only.



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