

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

NEW PRODUCT BULLETIN 597

SWITCHCRAFT[®]

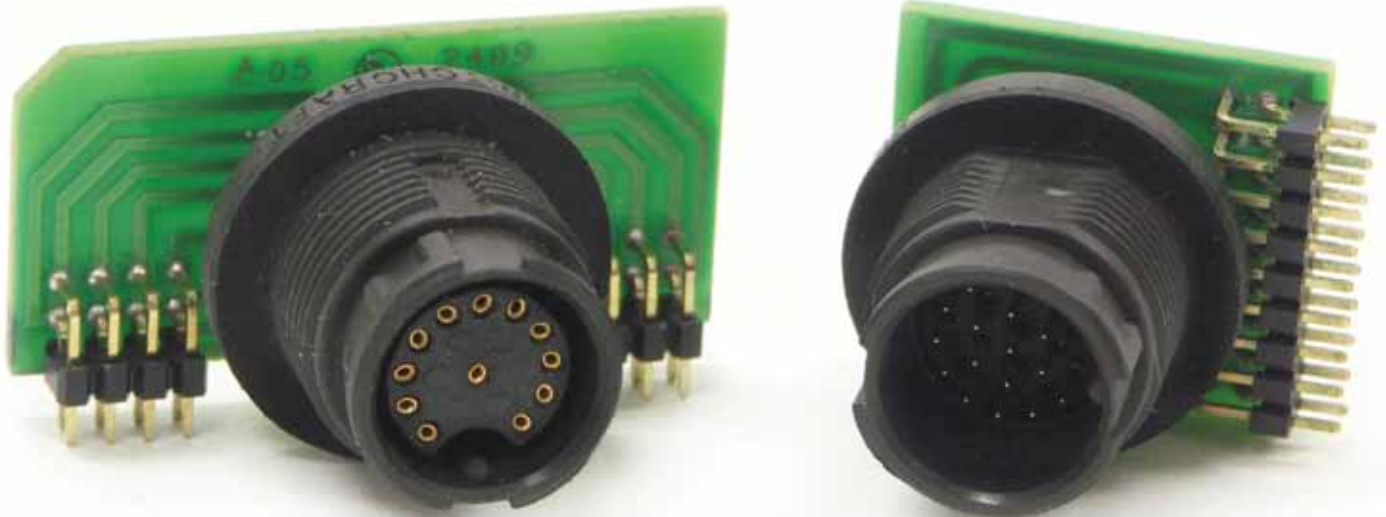
A H E I C O C O M P A N Y



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

EN3® RIGHT ANGLE PC BOARD MOUNT 2-18 CONTACT

NEW PRODUCT BULLETIN 597



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



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

EN3® RIGHT ANGLE PC BOARD MOUNT 2-18 CONTACT

NEW PRODUCT BULLETIN 597

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

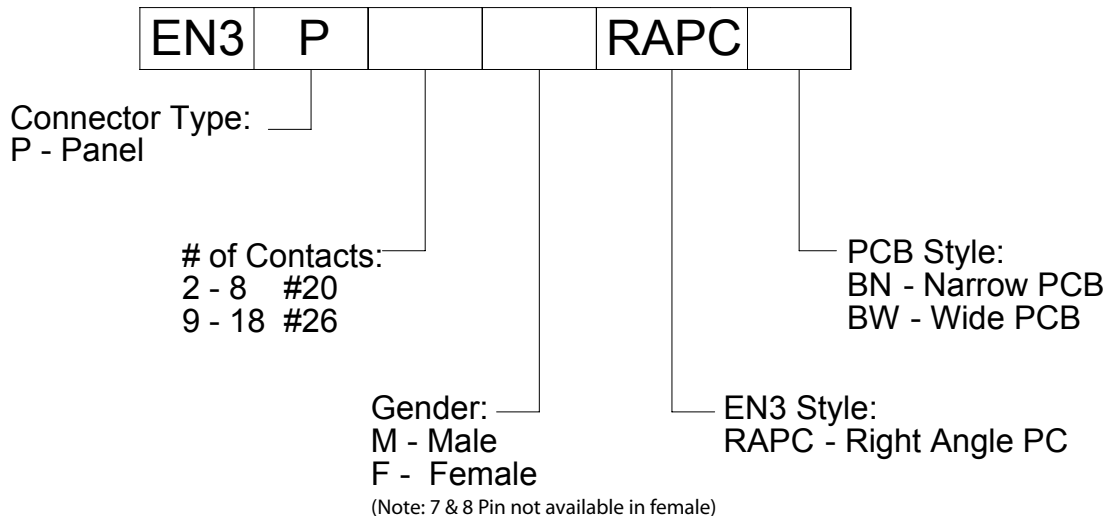
Temperature Rating:	-40°C to +65°C (-40°F to +149°F)
Moisture Resistance:	Mil-Std 202G Method 106G
Insulation Resistance:	Mil-Std 202G Method 302
Thermal Shock:	Mil-Std 202G Method 107G
Salt Spray:	Mil-Std 202G Method 101E

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

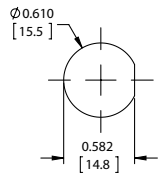


Please visit www.switchcraft.com for the most up-to-date product specifications. Made in USA.

EN3® RIGHT ANGLE PC BOARD MOUNT 2-18 CONTACT

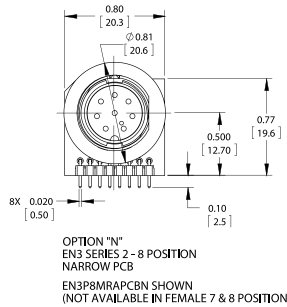
NEW PRODUCT BULLETIN 597

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

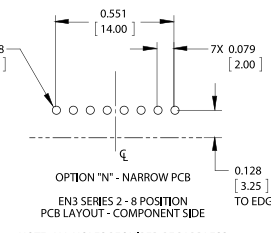
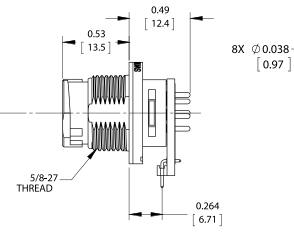


RECOMMENDED
PANEL CUT-OUT
0.188 MAX PANEL
THICKNESS

MOUNTING NUT
8-10 INCH-LBS
MAX TORQUE

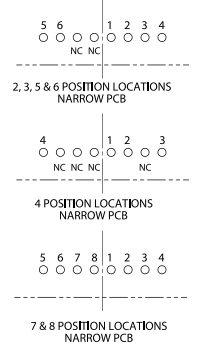


OPTION "N"
EN3 SERIES 2 - 8 POSITION
NARROW PCB
EN3P8MRAPCBN SHOWN
(NOT AVAILABLE IN FEMALE 7 & 8 POSITION)

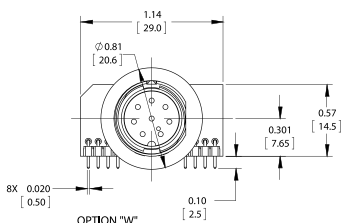
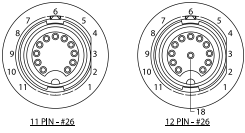
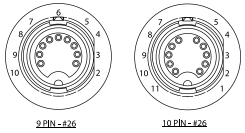


OPTION "N" - NARROW PCB
EN3 SERIES 2 - 8 POSITION
PCB LAYOUT - COMPONENT SIDE

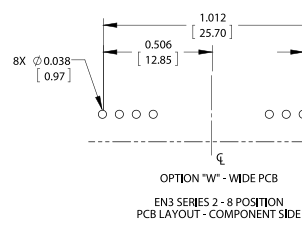
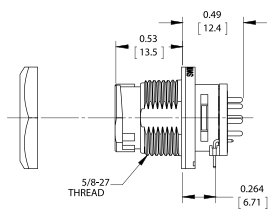
NOTE: ALL HOLES REQUIRED REGARDLESS
OF NUMBER OF POSITIONS OF CONNECTOR



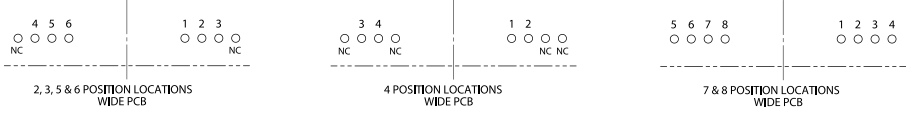
EN3 2-8 PIN RIGHT-ANGLE WIDE PCB PANEL CONNECTOR



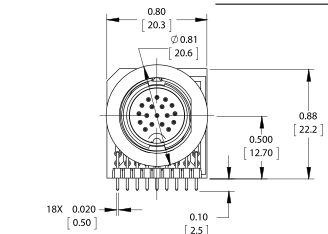
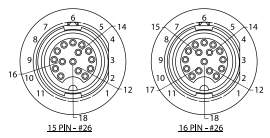
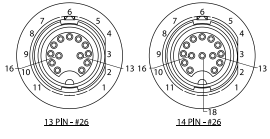
OPTION "W"
EN3 SERIES 2 - 8 POSITION
WIDE PCB
EN3P8MRAPCBW SHOWN
(NOT AVAILABLE IN FEMALE 7 & 8 POSITION)



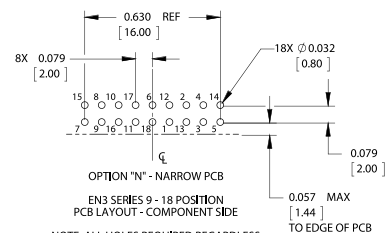
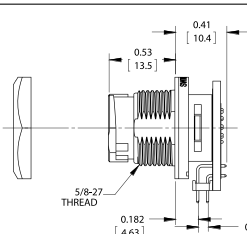
OPTION "W" - WIDE PCB
EN3 SERIES 2 - 8 POSITION
PCB LAYOUT - COMPONENT SIDE
NOTE: ALL HOLES REQUIRED REGARDLESS
OF NUMBER OF POSITIONS OF CONNECTOR



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

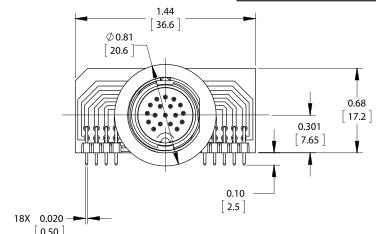
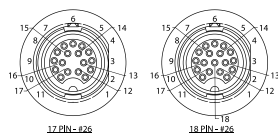


OPTION "N"
EN3 SERIES 9 - 18 POSITION
NARROW PCB
EN3P18MRAPCBN SHOWN

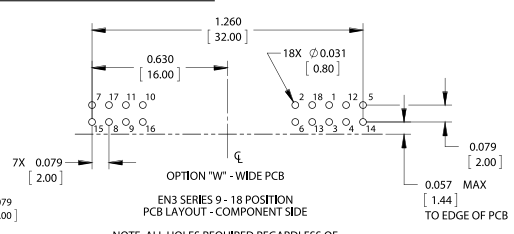
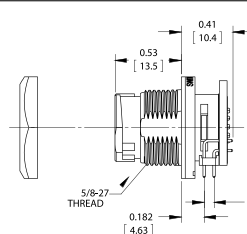


OPTION "N" - NARROW PCB
EN3 SERIES 9 - 18 POSITION
PCB LAYOUT - COMPONENT SIDE
NOTE: ALL HOLES REQUIRED REGARDLESS
OF NUMBER OF POSITIONS OF CONNECTOR
SEE EN3 9-18 PIN LOCATIONS

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



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



OPTION "W" - WIDE PCB
EN3 SERIES 9 - 18 POSITION
PCB LAYOUT - COMPONENT SIDE
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.



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