

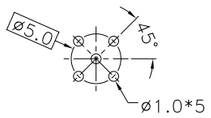
NMEA

SERIES

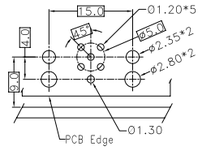
NMEA 2000 Receptacle

PCB LAYOUT NMEA MF-FM

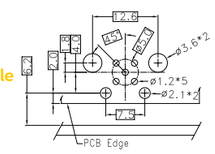
NMEA2000



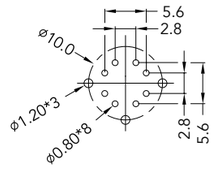
NMEA2000
Metal Right Angle



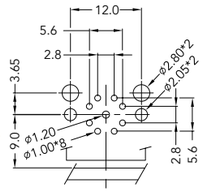
NMEA2000
Plastic Right Angle



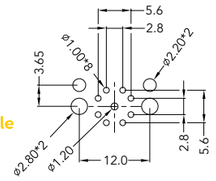
OneNet



OneNet
Female Right Angle



OneNet
Male Right Angle



WIRE COLOR PIN ASSIGNMENT NMEA

Male



Female



1 = Drain 2 = Red 3 = Black 4 = White 5 = Blue

Male



Female



1 = Orange / White 2 = Orange 3 = Green / White 4 = Green
5 = Brown / White 6 = Brown 7 = Blue / White 8 = Blue

SERIES IDENTIFICATION NMEA

NA- Female Metal Nut (NMEA Certified)



NA- Male Metal Nut (NMEA Certified)



NC- Female Metal Nut (Compatible)



NC- Male Metal Nut (Compatible)



NMEA 2000 Receptacle

Product Specifications

General Data

Number of Positions	5P
Coding	MICRO-C
Contact Housing	Nylon + GF
Shell / Screw Nut	Metal: Copper or Zinc Alloy, Nickel Plated
	Plastic: Nylon + GF
Terminal	Copper Alloy, Gold Plated

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	4.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX8 (Unmated)
Durability	1000 Times

Electrical Data

Current Rating	5A
Voltage Rating	125VDC
Contact Resistance	≦ 1mΩ (Initial)
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 1000V/1 Minute
Standard	NMEA2000

How to Order

NXAXX05XCC - SHX8XXX

Series
NA - Metal Shell (Certified)
NC - Metal Shell (Compatible)
NP - Plastic Shell (Certified)
NS - Plastic Shell (Compatible)

Style
P - Front Fastened
R - Rear Fastened

Connector Gender
F - Female
M - Male

Contact Type
F - Female
M - Male

Assembly Style
S - Solder Type
P - PCB Type
R - PCB Right Angle Type

Serial Number

NXH - MM1MF1000001

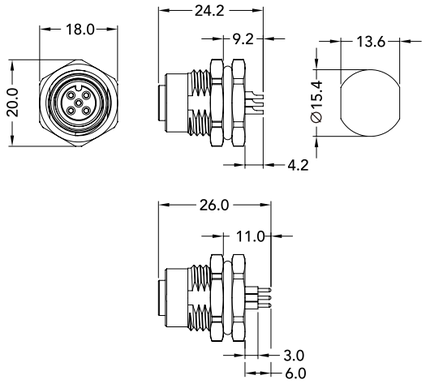
Style
H - Bulkhead

Series
NM - Metal Shell (Certified)
NN - Metal Shell (Compatible)

Quality Products Innovative Solution

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





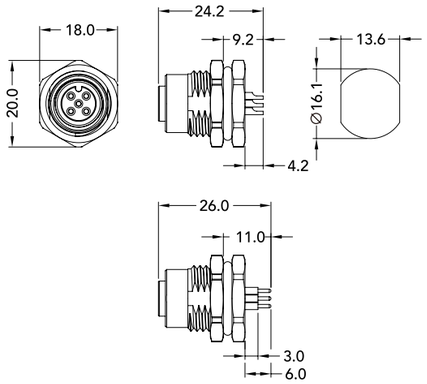
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NAAPF05FCC-SHP8001	5Pin	5A	125V	PCB Straight	NMEA Certified	PG9
NAAPF05FCC-SHS8001	5Pin	5A	125V	Solder	NMEA Certified	PG9
NCAPF05FCC-SHP8001	5Pin	5A	125V	PCB Straight	Compatible	PG9
NCAPF05FCC-SHS8001	5Pin	5A	125V	Solder	Compatible	PG9

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





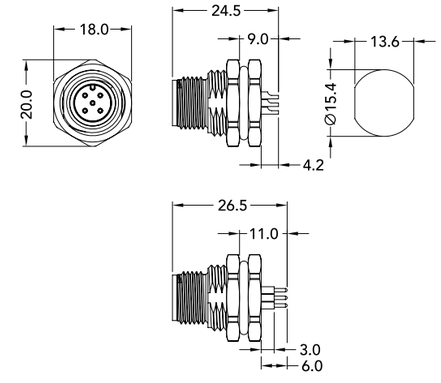
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCAPF05FCC-SHP8002	5Pin	5A	125V	PCB Straight	Compatible	M16
NCAPF05FCC-SHS8002	5Pin	5A	125V	Solder	Compatible	M16

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





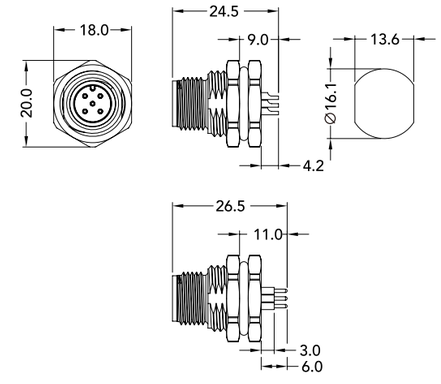
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NAAPM05MCC-SHP8001	5Pin	5A	125V	PCB Straight	NMEA Certified	PG9
NAAPM05MCC-SHS8001	5Pin	5A	125V	Solder	NMEA Certified	PG9
NCAPM05MCC-SHP8001	5Pin	5A	125V	PCB Straight	Compatible	PG9
NCAPM05MCC-SHS8001	5Pin	5A	125V	Solder	Compatible	PG9

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





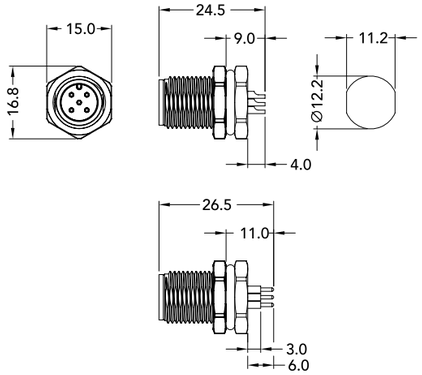
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCAPM05MCC-SHP8003	5Pin	5A	125V	PCB Straight	Compatible	M16
NCAPM05MCC-SHS8003	5Pin	5A	125V	Solder	Compatible	M16

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





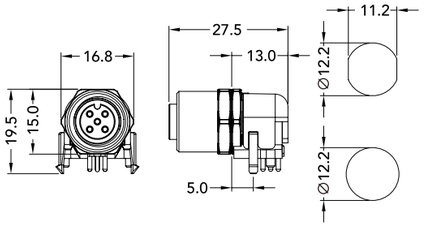
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M12 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCAPM05MCC-SHP8002	5Pin	5A	125V	PCB Straight	Compatible	M12
NCAPM05MCC-SHS8002	5Pin	5A	125V	Solder	Compatible	M12

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





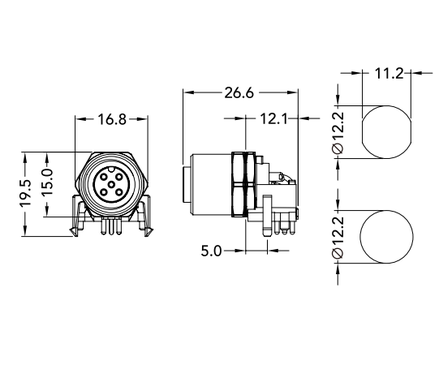
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M12 Thread
- Fully shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCAPF05FCC-SHR801A	5Pin	5A	125V	PCB Right Angle	Compatible	M12+Thk 1.5mm Max.+Cover
NCAPF05FCC-SHR802A	5Pin	5A	125V	PCB Right Angle	Compatible	M12+Thk1.5~3.0mm+Cover

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





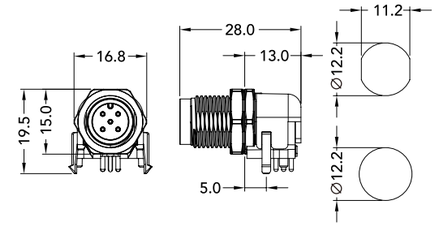
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M12 Thread
- Fully shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCAPF05FCC-SHR801B	5Pin	5A	125V	PCB Right Angle	Compatible	M12+Thk 1.5mm Max.
NCAPF05FCC-SHR802B	5Pin	5A	125V	PCB Right Angle	Compatible	M12+Thk1.5~3.0mm

NMEA 2000 Receptacle (Metal) Front Fastened, IPX8





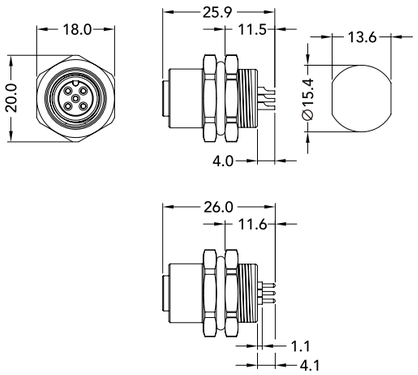
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M12 Thread
- Fully shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCAPM05MCC-SHR801A	5Pin	5A	125V	PCB Right Angle	Compatible	M12+Cover
NCAPM05MCC-SHR801B	5Pin	5A	125V	PCB Right Angle	Compatible	M12

NMEA 2000 Receptacle (Metal) Rear Fastened, IPX8





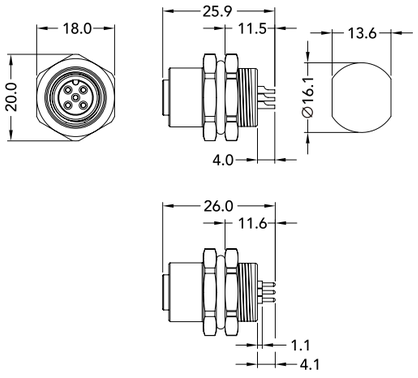
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCARF05FCC-SHP8001	5Pin	5A	125V	PCB Straight	Compatible	PG9
NCARF05FCC-SHS8001	5Pin	5A	125V	Solder	Compatible	PG9

NMEA 2000 Receptacle (Metal) Rear Fastened, IPX8





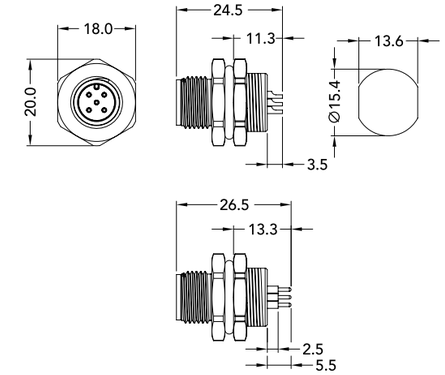
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCARF05FCC-SHP8002	5Pin	5A	125V	PCB Straight	Compatible	M16
NCARF05FCC-SHS8002	5Pin	5A	125V	Solder	Compatible	M16

NMEA 2000 Receptacle (Metal) Rear Fastened, IPX8





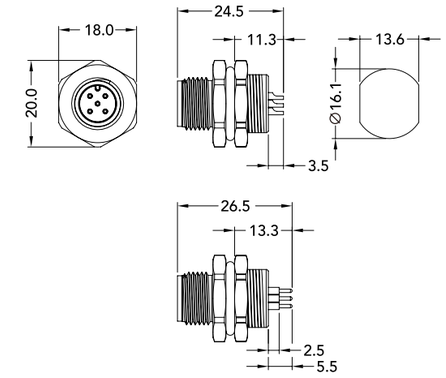
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCARM05MCC-SHP8001	5Pin	5A	125V	PCB Straight	Compatible	PG9
NCARM05MCC-SHS8001	5Pin	5A	125V	Solder	Compatible	PG9

NMEA 2000 Receptacle (Metal) Rear Fastened, IPX8





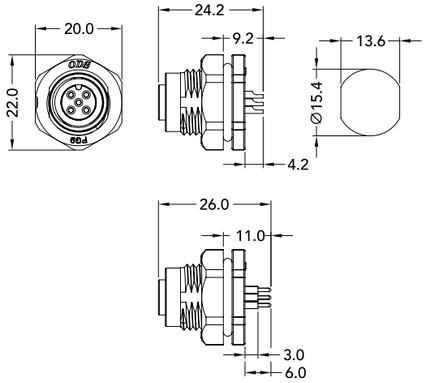
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Shielded for high noise immunity
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCARM05MCC-SHP8002	5Pin	5A	125V	PCB Straight	Compatible	M16
NCARM05MCC-SHS8002	5Pin	5A	125V	Solder	Compatible	M16

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





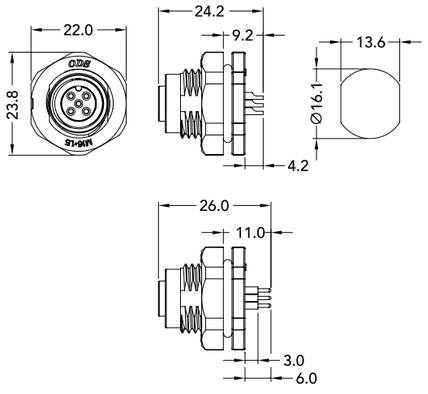
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NPAPF05FCC-SHP8001	5Pin	5A	125V	PCB Straight	NMEA Certified	PG9
NPAPF05FCC-SHS8001	5Pin	5A	125V	Solder	NMEA Certified	PG9
NSAPF05FCC-SHP8001	5Pin	5A	125V	PCB Straight	Compatible	PG9
NSAPF05FCC-SHS8001	5Pin	5A	125V	Solder	Compatible	PG9

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





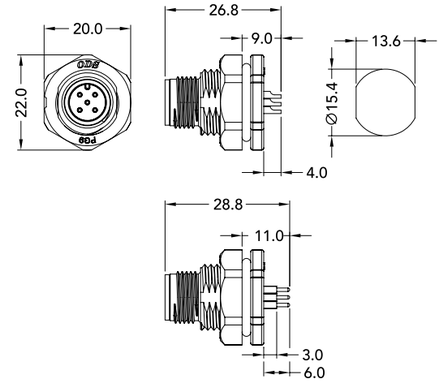
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPF05FCC-SHP8002	5Pin	5A	125V	PCB Straight	Compatible	M16
NSAPF05FCC-SHS8002	5Pin	5A	125V	Solder	Compatible	M16

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





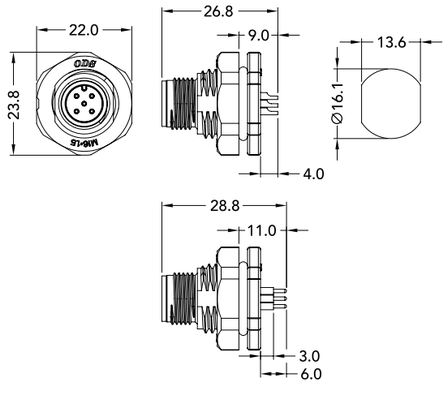
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NPAPM05MCC-SHP8001	5Pin	5A	125V	PCB Straight	NMEA Certified	PG9
NPAPM05MCC-SHS8001	5Pin	5A	125V	Solder	NMEA Certified	PG9
NSAPM05MCC-SHP8001	5Pin	5A	125V	PCB Straight	Compatible	PG9
NSAPM05MCC-SHS8001	5Pin	5A	125V	Solder	Compatible	PG9

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





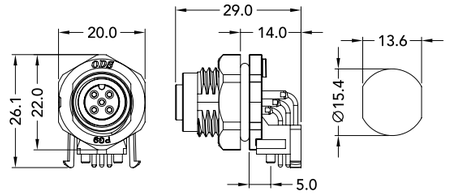
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPM05MCC-SHP8002	5Pin	5A	125V	PCB Straight	Compatible	M16
NSAPM05MCC-SHS8002	5Pin	5A	125V	Solder	Compatible	M16

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





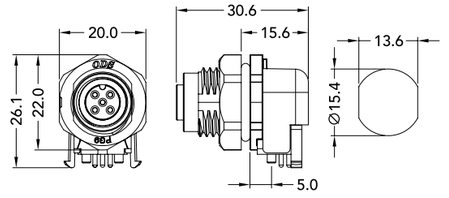
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPF05FCC-SHR802A	5Pin	5A	125V	PCB Right Angle	Compatible	PG9

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





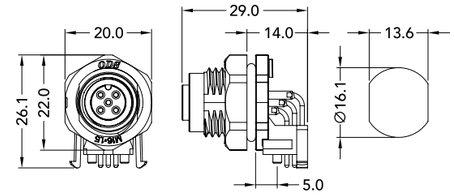
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPF05FCC-SHR802B	5Pin	5A	125V	PCB Right Angle	Compatible	PG9+Cover

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





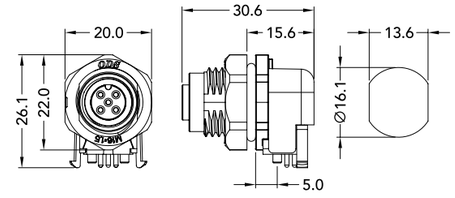
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPF05FCC-SHR801A	5Pin	5A	125V	PCB Right Angle	Compatible	M16

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





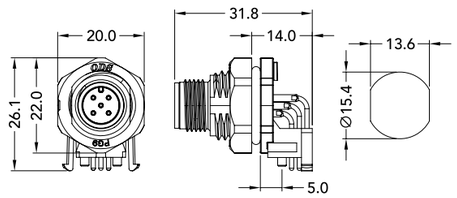
Features and Benefits

- **Female Connector, Female Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPF05FCC-SHR801B	5Pin	5A	125V	PCB Right Angle	Compatible	M16+Cover

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





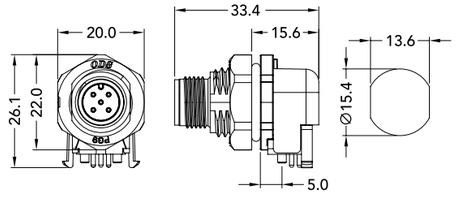
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPM05MCC-SHR802A	5Pin	5A	125V	PCB Right Angle	Compatible	PG9

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





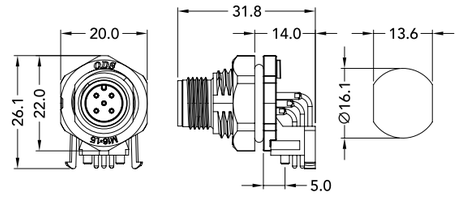
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in PG9 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPM05MCC-SHR802B	5Pin	5A	125V	PCB Right Angle	Compatible	PG9+Cover

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





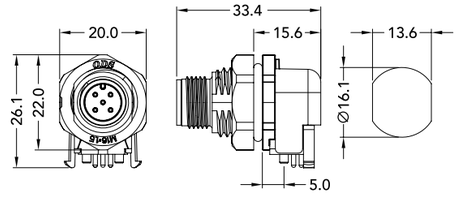
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPM05MCC-SHR801A	5Pin	5A	125V	PCB Right Angle	Compatible	M16

NMEA 2000 Receptacle (Plastic) Front Fastened, IPX8





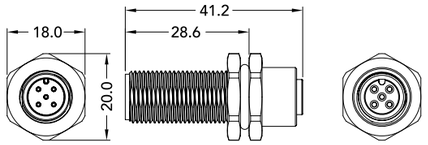
Features and Benefits

- **Male Connector, Male Pin**
- NMEA 2000 M12 panel mount receptacles in M16 Thread
- Rugged, IPX8 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NSAPM05MCC-SHR801B	5Pin	5A	125V	PCB Right Angle	Compatible	M16+Cover

NMEA 2000 Receptacle (Metal) Bulkhead, IPX8





Features and Benefits

- Allows new connection points in a network through panels or bulkheads
- Creates positive alignment of connectors
- Shielded for high noise immunity
- Waterproof rated to IPX8 for reliable connections

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NMH-MM1MF1000001	5Pin	5A	125V	Connector End	NMEA Certified	M12
NNH-MM1MF1000001	5Pin	5A	125V	Connector End	Compatible	M12

NMEA 2000 Thin Cable Assembly

Product Specifications

General Data

Number of Positions	5P
Coding	MICRO-C
Contact Housing	Nylon + GF
Screw Nut	Metal: Copper or Zinc Alloy, Nickel Plated Plastic: Nylon + GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	3A
Voltage Rating	125VDC
Contact Resistance	≦ 1mΩ (Initial)
Withstanding Voltage	AC 1000V/1 Minute
Standard	NMEA2000

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	1000 Times
Cable Style	(1P*24AWG+Al/Mylon)+ (1P*22AWG+Al/Mylon)+Braid+Drain
Assemble Type	Cable End Cut or Connector End

How to Order

NXMBX05XCC – SXC7XXXX

Series
NA – Metal Nut (Certified)
NC – Metal Nut (Compatible)
NP – Plastic Nut (Certified)
NS – Plastic Nut (Compatible)

Connector Gender
F – Female
M – Male

Contact Type
F – Female
M – Male

Back Shell
L – Straight(180°)
R – Right Angle (90°)

Cable Type / Length
Meter:
G01M~G20M
J01M~J20M
Feet:
G01F~G66F
J01F~J66F

NX X – MM1MF1000XXXX

Series
NA – Metal Nut (Certified)
NC – Metal Nut (Compatible)
NP – Plastic Nut (Certified)
NS – Plastic Nut (Compatible)

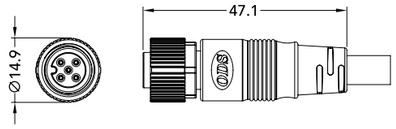
Style
P – Tap-Cable
D – Double End Cable

Cable Type / Length
Meter:
G01M~G20M
J01M~J20M
Feet:
G01F~G66F
J01F~J66F

NMEA 2000 Thin Cable Assembly (Metal Nut)

Straight, IPX7 (Mated)





Features and Benefits

- **Female Connector, Female Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

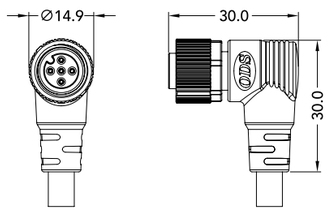
Part Number	Contact	Current	Voltage	Standard
NAMBF05FCC-SLC7GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCMBF05FCC-SLC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Metal Nut)

Angled, IPX7 (Mated)





Features and Benefits

- **Female Connector, Female Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

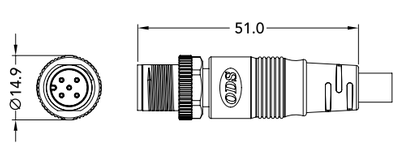
Part Number	Contact	Current	Voltage	Standard
NAMBF05FCC-SRC7GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCMBF05FCC-SRC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Metal Nut)

Straight, IPX7 (Mated)





Features and Benefits

- **Male Connector, Male Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

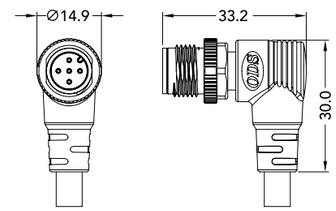
Part Number	Contact	Current	Voltage	Standard
NAMBM05MCC-SLC7GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCMBM05MCC-SLC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Metal Nut)

Angled, IPX7 (Mated)





Features and Benefits

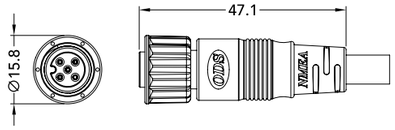
- **Male Connector, Male Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NCMBM05MCC-SRC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Plastic Nut)

Straight, IPX7 (Mated)





Features and Benefits

- **Female Connector, Female Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

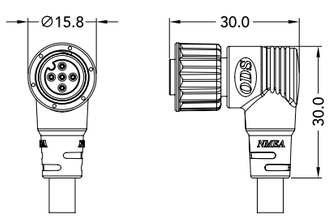
Part Number	Contact	Current	Voltage	Standard
NPMBF05FCC-SLC7GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSMBF05FCC-SLC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Plastic Nut)

Angled, IPX7 (Mated)





Features and Benefits

- **Female Connector, Female Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

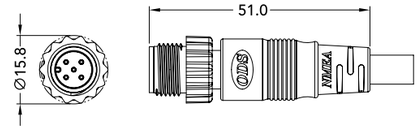
Part Number	Contact	Current	Voltage	Standard
NPMBF05FCC-SRC7GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSMBF05FCC-SRC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Plastic Nut)

Straight, IPX7 (Mated)





Features and Benefits

- **Male Connector, Male Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

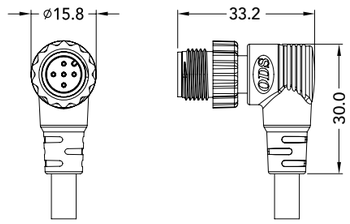
Part Number	Contact	Current	Voltage	Standard
NPMBM05MCC-SLC7GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSMBM05MCC-SLC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Plastic Nut)

Angled, IPX7 (Mated)





Features and Benefits

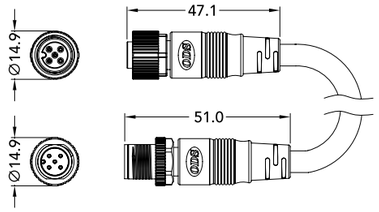
- **Male Connector, Male Pin**
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NSMBM05MCC-SRC7JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Metal Nut)

Double-Ended Cordset, IPX7 (Mated)





Features and Benefits

- **Male and female cable ends for trunk or drop lines**
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

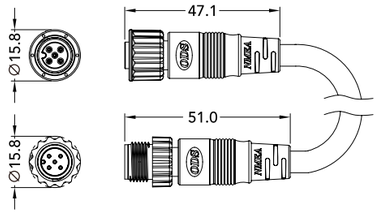
Part Number	Contact	Current	Voltage	Standard
NAD-MM1MF1000GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCD-MM1MF1000JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Plastic Nut)

Double-Ended Cordset, IPX7 (Mated)





Features and Benefits

- **Male and female cable ends for trunk or drop lines**
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

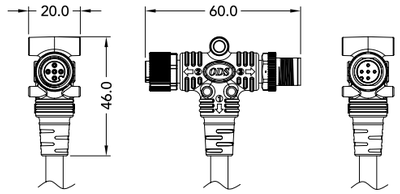
Part Number	Contact	Current	Voltage	Standard
NPD-MM1MF1000GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSD-MM1MF1000JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Metal Nut)

Tee Cable, IPX7 (Mated)





Features and Benefits

- **Male and Female on each end**
- Gives power to the NMEA 2000® network
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

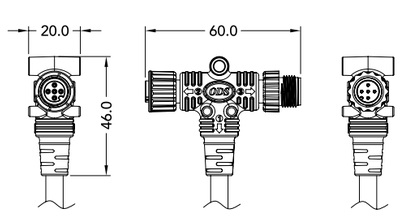
Part Number	Contact	Current	Voltage	Standard
NAP-MM1MF1000GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCP-MM1MF1000JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Thin Cable Assembly (Plastic Nut)

Tee Cable, IPX7 (Mated)





Features and Benefits

- **Male and Female on each end**
- Gives power to the NMEA 2000® network
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NPP-MM1MF1000GXXX	5Pin	3A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSP-MM1MF1000JXXX	5Pin	3A	125V	Compatible

NMEA 2000 Mid Cable Assembly

Product Specifications

General Data

Number of Positions	5P
Coding	MICRO-C
Contact Housing	Nylon + GF
Screw Nut	Metal: Copper or Zinc Alloy, Nickel Plated Plastic: Nylon + GF
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	4A
Voltage Rating	125VDC
Contact Resistance	≦ 1mΩ (Initial)
Withstanding Voltage	AC 1000V/1 Minute
Standard	NMEA2000

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	1000 Times
Cable Style	(1P*18AWG+Al/Mylon)+ (1P*20AWG+Al/Mylon)+Braid+Drain
Assemble Type	Cable End Cut or Connector End

How to Order

NXMBX05XCC – SLC7XXXX

- **Series**
  - NA – Metal Nut (Certified)
  - NC – Metal Nut (Compatible)
  - NP – Plastic Nut (Certified)
  - NS – Plastic Nut (Compatible)
- **Connector Gender**
  - F – Female
  - M – Male
- **Contact Type**
  - F – Female
  - M – Male
- **Cable Type / Length**
  - Meter:
  - H01M~H20M
  - K01M~K20M
  - Feet:
  - H01F~H66F
  - K01F~K66F

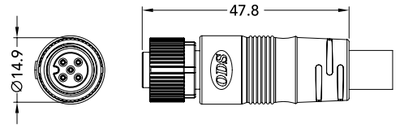
NX X – MM1MF1000XXXX

- **Series**
  - NA – Metal Nut (Certified)
  - NC – Metal Nut (Compatible)
  - NP – Plastic Nut (Certified)
  - NS – Plastic Nut (Compatible)
- **Style**
  - P – Tap-Cable
  - D – Double End Cable
- **Cable Type / Length**
  - Meter:
  - H01M~H20M
  - K01M~K20M
  - Feet:
  - H01F~H66F
  - K01F~K66F

NMEA 2000 Mid Cable Assembly (Metal Nut)

Straight, IPX7 (Mated)





Features and Benefits

- **Female Connector, Female Pin**
- Optimized for voltage drop sensitive networks (long runs) because power pair wires have half the resistance of Micro cable
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

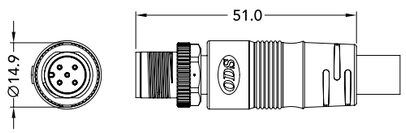
Part Number	Contact	Current	Voltage	Standard
NAMBF05FCC-SLC7HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCMBF05FCC-SLC7KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Metal Nut)

Straight, IPX7 (Mated)





Features and Benefits

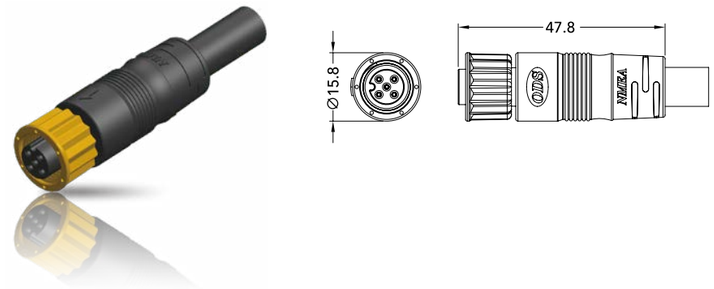
- **Male Connector, Male Pin**
- Optimized for voltage drop sensitive networks (long runs) because power pair wires have half the resistance of Micro cable
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NAMBM05MCC-SLC7HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCMBM05MCC-SLC7KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Plastic Nut)

Straight, IPX7 (Mated)



Features and Benefits

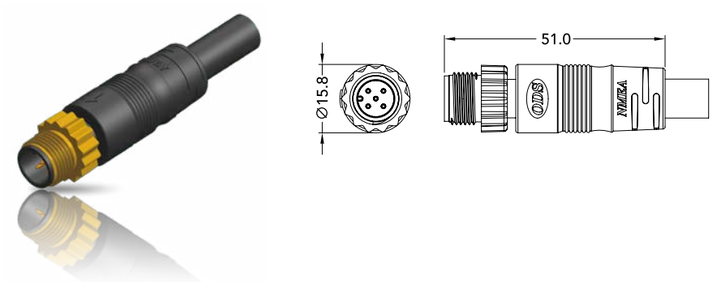
- **Female Connector, Female Pin**
- Optimized for voltage drop sensitive networks (long runs) because power pair wires have half the resistance of Micro cable
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NPMBF05FCC-SLC7HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSMBF05FCC-SLC7KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Plastic Nut)

Straight, IPX7 (Mated)



Features and Benefits

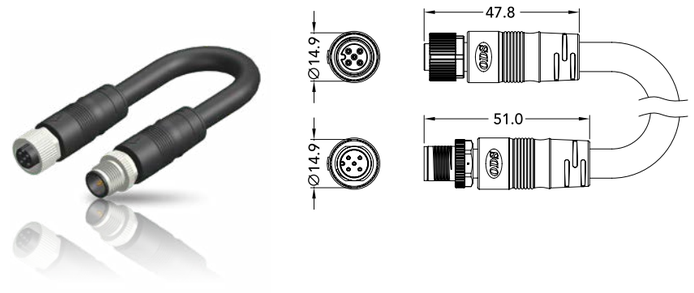
- **Male Connector, Male Pin**
- Optimized for voltage drop sensitive networks (long runs) because power pair wires have half the resistance of Micro cable
- Used with field-installable connectors
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NPMBM05MCC-SLC7HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSMBM05MCC-SLC7KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Metal Nut)

Double-Ended Cordset, IPX7 (Mated)



Features and Benefits

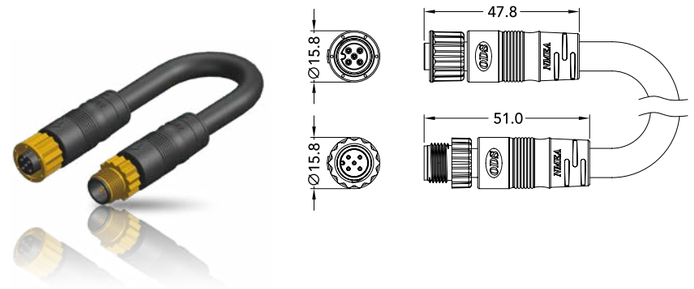
- **Male and female cable ends for trunk or drop lines**
- Optimized for voltage drop sensitive networks (long runs) because power pair wires have half the resistance of Micro cable
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NAD-MM1MF1000HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCD-MM1MF1000KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Plastic Nut)

Double-Ended Cordset, IPX7 (Mated)



Features and Benefits

- **Male and female cable ends for trunk or drop lines**
- Optimized for voltage drop sensitive networks (long runs) because power pair wires have half the resistance of Micro cable
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

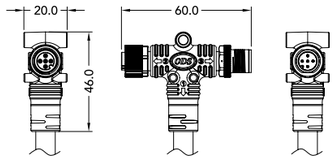
Part Number	Contact	Current	Voltage	Standard
NPD-MM1MF1000HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSD-MM1MF1000KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Metal Nut)

Tee Cable, IPX7 (Mated)





Features and Benefits

- **Male and Female on each end**
- Gives power to the NMEA 2000® network
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

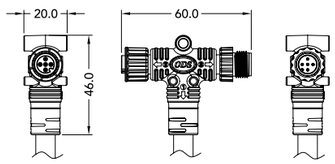
Part Number	Contact	Current	Voltage	Standard
NAP-MM1MF1000HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NCP-MM1MF1000KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Mid Cable Assembly (Plastic Nut)

Tee Cable, IPX7 (Mated)





Features and Benefits

- **Male and Female on each end**
- Gives power to the NMEA 2000® network
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment
- Available in various cable lengths to match installation requirements

Part Number	Contact	Current	Voltage	Standard
NPP-MM1MF1000HXXX	5Pin	4A	125V	NMEA Certified

Part Number	Contact	Current	Voltage	Standard
NSP-MM1MF1000KXXX	5Pin	4A	125V	Compatible

NMEA 2000 Field Installable Screw In

Product Specifications

General Data

Number of Positions	5P
Coding	MICRO-C
Contact Housing	Nylon + GF
Screw Nut	Copper or Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	5A
Voltage Rating	125VDC
Contact Resistance	≦ 5mΩ (Initial)
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 1000V/1 Minute
Standard	NMEA2000

Environmental Data

Mating Style	Screw Thread
Wire Gauge	24AWG ~ 18AWG
Cable OD	Seal 1: O.D.= Φ6~8mm Seal 2: O.D.= Φ4~6mm Seal 3: O.D.= Φ8~10mm
Temperature Range	-25℃ ~ +85℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	1000 Times
Mode of Connection	Screw-In Terminals

How to Order

NXMDX05XCC - SXW7XXX

Series
NA - Metal Nut (Certified)
NC - Metal Nut (Compatible)

Connector Gender
F - Female
M - Male

Contact Type
F - Female
M - Male

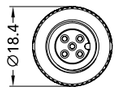
Backshell
L - Straight
R - Right Angle

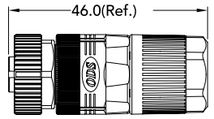
Serial Number

NMEA 2000 Field Installable Screw In (Metal Nut)

Straight, IPX7 (Mated)







Features and Benefits

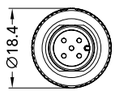
- **Female Connector, Female Pin**
- Used with single-ended cordsets
- Easily installed in the field through screw in termination
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

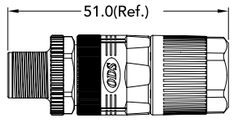
Part Number	Contact	Current	Voltage	Cable Range	Standard
NAMDF05FCC-SLW7001	5Pin	5A	125V	Φ6.0mm~Φ8.0mm	NMEA Certified
NCMDF05FCC-SLW7001	5Pin	5A	125V	Φ6.0mm~Φ8.0mm	Compatible
NCMDF05FCC-SLW7002	5Pin	5A	125V	Φ4.0mm~Φ6.0mm	Compatible
NCMDF05FCC-SLW7003	5Pin	5A	125V	Φ8.0mm~Φ10.0mm	Compatible

NMEA 2000 Field Installable Screw In (Metal Nut)

Straight, IPX7 (Mated)







Features and Benefits

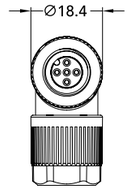
- **Male Connector, Male Pin**
- Used with single-ended cordsets
- Easily installed in the field through screw in termination
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

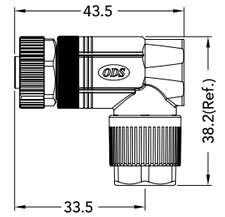
Part Number	Contact	Current	Voltage	Cable Range	Standard
NAMDM05MCC-SLW7001	5Pin	5A	125V	Φ6.0mm~Φ8.0mm	NMEA Certified
NCMDM05MCC-SLW7001	5Pin	5A	125V	Φ6.0mm~Φ8.0mm	Compatible
NCMDM05MCC-SLW7002	5Pin	5A	125V	Φ4.0mm~Φ6.0mm	Compatible
NCMDM05MCC-SLW7003	5Pin	5A	125V	Φ8.0mm~Φ10.0mm	Compatible

NMEA 2000 Field Installable Screw In (Metal Nut)

Angled, IPX7 (Mated)







Features and Benefits

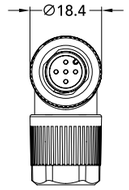
- **Female Connector, Female Pin**
- Used with single-ended cordsets
- Easily installed in the field through screw in termination
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

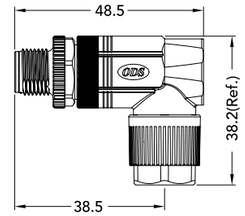
Part Number	Contact	Current	Voltage	Cable Range	Standard
NCMDF05FCC-SRW7001	5Pin	5A	125V	Φ6.0mm~Φ8.0mm	Compatible
NCMDF05FCC-SRW7002	5Pin	5A	125V	Φ4.0mm~Φ6.0mm	Compatible
NCMDF05FCC-SRW7003	5Pin	5A	125V	Φ8.0mm~Φ10.0mm	Compatible

NMEA 2000 Field Installable Screw In (Metal Nut)

Angled, IPX7 (Mated)







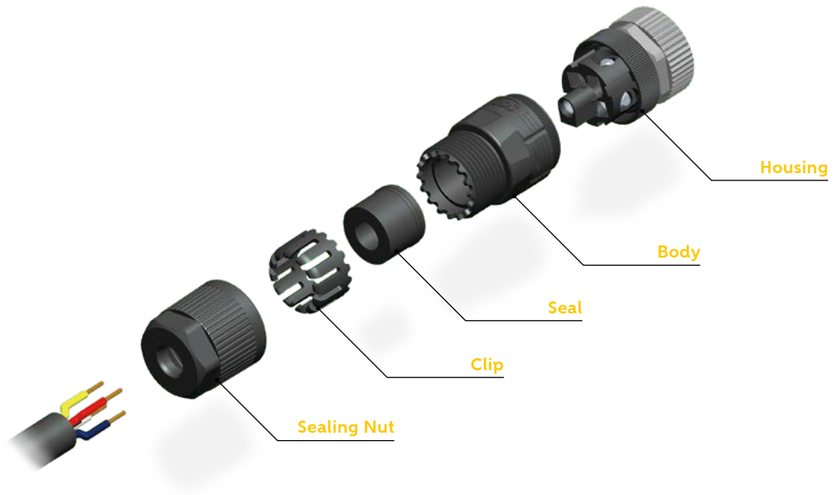
Features and Benefits

- **Male Connector, Male Pin**
- Used with single-ended cordsets
- Easily installed in the field through screw in termination
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

Part Number	Contact	Current	Voltage	Cable Range	Standard
NCMDM05MCC-SRW7001	5Pin	5A	125V	Φ6.0mm~Φ8.0mm	Compatible
NCMDM05MCC-SRW7002	5Pin	5A	125V	Φ4.0mm~Φ6.0mm	Compatible
NCMDM05MCC-SRW7003	5Pin	5A	125V	Φ8.0mm~Φ10.0mm	Compatible

NMEA 2000 Female Field Installable (Screw In)

Assembly Instructions



1



Strip the cable sheath and insulation.

2



Insert the cable through the sealing nut, clip, seal and body.

3



Unscrew the screws.

4



Insert each wire to the respective hole and tighten each screw.

5



Connect and tighten the body.

6



Connect the seal and the clip respectively.

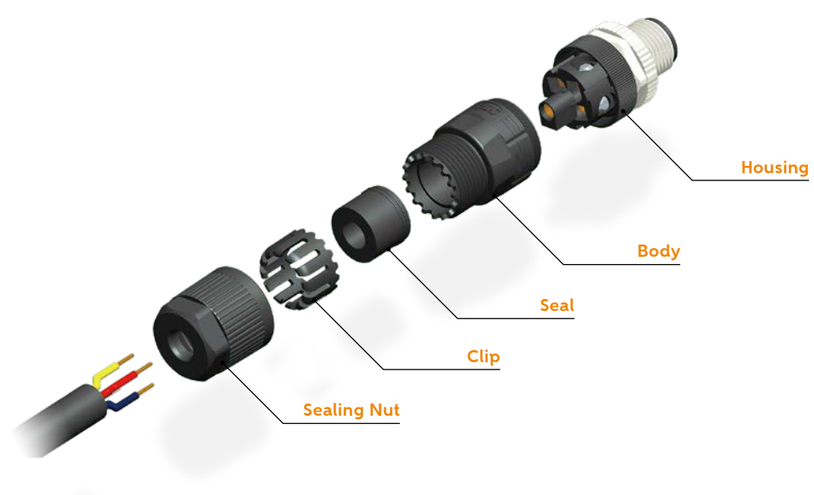
7



Connect the sealing nut and tighten using hand tool (optional) or your hand while holding ass'y.

NMEA 2000 Male Field Installable (Screw In)

Assembly Instructions



1



Strip the cable sheath and insulation.

2



Insert the cable through the sealing nut, clip, seal and body.

3



Unscrew the screws.

4



Insert each wire to the respective hole and tighten each screw.

5



Connect and tighten the body.

6



Connect the seal and the clip respectively.

7



Connect the sealing nut and tighten using hand tool (optional) or your hand while holding ass'y.

NMEA 2000 Adaptor & Terminator

Product Specifications

General Data

Number of Positions	5P
Coding	MICRO-C
Contact Housing	Nylon + GF
Screw Nut	Metal: Copper or Zinc Alloy, Nickel Plated Plastic: Nylon + GF
Terminal	Copper Alloy, Gold Plated

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	1000 Times

Electrical Data

Current Rating	5A
Voltage Rating	125VDC
Contact Resistance	≦ 1mΩ (Initial)
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 1000V/1 Minute
Standard	NMEA2000

How to Order

	Backbone Direction 1		Backbone Direction 2		Drop Direction 3		
NX	X	-	MM1	MF1	MF	X	001

Series
NA - Metal Nut (Certified)
NC - Metal Nut (Compatible)
NP - Plastic Nut (Certified)
NS - Plastic Nut (Compatible)

Style
W - More Way Adaptor
E - Elbow Adaptor
T - Tee Adaptor
L - Inline Adaptor

Connector Gender
F - Female

Connector Set
1, 2, 4

NXR	-	MX1000000001

Series
NA - Metal Nut (Certified)
NC - Metal Nut (Compatible)
NP - Plastic Nut (Certified)
NS - Plastic Nut (Compatible)

Connector Gender
F - Female
M - Male

NMEA 2000 Adaptor (Metal Nut) IPX7 (Mated)



Features and Benefits

- 2 and 4-Way Adaptor allow several drop cables to be consolidated and connected back to the trunk
- Tee Adaptor allows for a drop connection
- Elbow Adaptor easily connects to a tee or double-ended cordsets making 90 turns at the end or anywhere along the system
- Provides neat connections along the network
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

Part Number	Type	Contact	Current	Voltage	Standard
NAW-MM1MF1MF4001	More Way Adaptor	5Pin	5A	125V	NMEA Certified
NCW-MM1MF1MF4001	More Way Adaptor	5Pin	5A	125V	Compatible
NAW-MM1MF1MF2001	More Way Adaptor	5Pin	5A	125V	NMEA Certified
NCW-MM1MF1MF2001	More Way Adaptor	5Pin	5A	125V	Compatible
NAT-MM1MF1MF1001	Tee Adaptor	5Pin	5A	125V	NMEA Certified
NCT-MM1MF1MF1001	Tee Adaptor	5Pin	5A	125V	Compatible
NAL-MM1MF1000001	Inline Adaptor	5Pin	5A	125V	NMEA Certified
NCL-MM1MF1000001	Inline Adaptor	5Pin	5A	125V	Compatible
NAE-MM1MF1000001	Elbow Adaptor	5Pin	5A	125V	NMEA Certified
NCE-MM1MF1000001	Elbow Adaptor	5Pin	5A	125V	Compatible
NAE-MM1MF1000002	Elbow Adaptor	5Pin	5A	125V	NMEA Certified
NCE-MM1MF1000002	Elbow Adaptor	5Pin	5A	125V	Compatible

NMEA 2000 Adaptor (Metal Nut) IPX7 (Mated)



Features and Benefits

- Terminates both ends of a network
- Available in Male and Female connector versions
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

Part Number	Type	Contact	Current	Voltage	Standard
NAR-MF1000000001	Terminator	5Pin	5A	125V	NMEA Certified
NCR-MF1000000001	Terminator	5Pin	5A	125V	Compatible
NAR-MM1000000001	Terminator	5Pin	5A	125V	NMEA Certified
NCR-MM1000000001	Terminator	5Pin	5A	125V	Compatible

NMEA 2000 Adaptor (Plastic Nut) IPX7 (Mated)



Features and Benefits

- 2 and 4-Way Adaptor allow several drop cables to be consolidated and connected back to the trunk
- Tee Adaptor allows for a drop connection
- Elbow Adaptor easily connects to a tee or double-ended cordsets making 90 turns at the end or anywhere along the system
- Provides neat connections along the network
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

Part Number	Type	Contact	Current	Voltage	Standard
NPW-MM1MF1MF4001	More Way Adaptor	5Pin	5A	125V	NMEA Certified
NSW-MM1MF1MF4001	More Way Adaptor	5Pin	5A	125V	Compatible
NPW-MM1MF1MF2001	More Way Adaptor	5Pin	5A	125V	NMEA Certified
NSW-MM1MF1MF2001	More Way Adaptor	5Pin	5A	125V	Compatible
NPT-MM1MF1MF1001	Tee Adaptor	5Pin	5A	125V	NMEA Certified
NST-MM1MF1MF1001	Tee Adaptor	5Pin	5A	125V	Compatible
NPL-MM1MF1000001	Inline Adaptor	5Pin	5A	125V	NMEA Certified
NSL-MM1MF1000001	Inline Adaptor	5Pin	5A	125V	Compatible
NPE-MM1MF1000001	Elbow Adaptor	5Pin	5A	125V	NMEA Certified
NSE-MM1MF1000001	Elbow Adaptor	5Pin	5A	125V	Compatible
NPE-MM1MF1000002	Elbow Adaptor	5Pin	5A	125V	NMEA Certified
NSE-MM1MF1000002	Elbow Adaptor	5Pin	5A	125V	Compatible

NMEA 2000 Adaptor (Plastic Nut) IPX7 (Mated)



Features and Benefits

- Terminates both ends of a network
- Available in Male and Female connector versions
- Rugged, IPX7 rated connectors for continued connection integrity in marine environment

Part Number	Type	Contact	Current	Voltage	Standard
NPR-MF1000000001	Terminator	5Pin	5A	125V	NMEA Certified
NSR-MF1000000001	Terminator	5Pin	5A	125V	Compatible
NPR-MM1000000001	Terminator	5Pin	5A	125V	NMEA Certified
NSR-MM1000000001	Terminator	5Pin	5A	125V	Compatible

NMEA OneNet X-Code Receptacle

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Shell / Screw Nut	Copper or Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V /DC 60V
Contact Resistance	≦ 15mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 500V/1 Minute
Standard	-

Environmental Data

Mating Style	Screw Thread
Max Panel Thickness	4.5mm (Without Cap Chain)
Temperature Range	-40℃ ~ +90℃
Salt Spray	48 hr.
Protection Class	IPX8 (Mated)
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568

How to Order

NCKPX08XKK – SHX8XXX

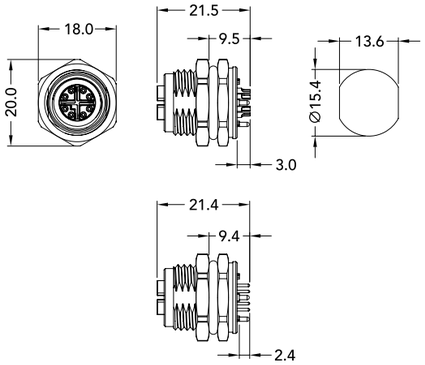
- Connector Gender: F – Female; M – Male
- Contact Type: F – Female; M – Male
- Assembly Style: S – Solder Type; P – PCB Straight Type; R – PCB Right Angle Type
- Serial Number

NCKPX08XKK – SHX8XXXX

- Connector Gender: F – Female; M – Male
- Contact Type: F – Female; M – Male
- Assembly Style: C – PG9 With Simple Cut Cable; G – PG9 With Plug End Cable; D – M16 With Simple Cut Cable; M – M16 With Plug End Cable
- Cable Length (CM): Centimeter: D01C~D20C

NMEA OneNet X-Code Receptacle Front Fastened, IPX8





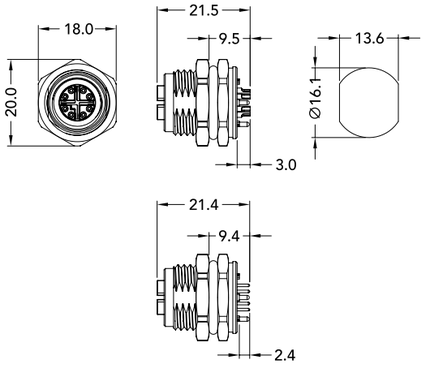
Features and Benefits

- **Female Connector, Female Pin**
- NMEA OneNet X-coded panel mount receptacles in PG9 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPF08FKK-SHP8001	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	ONENET Practical	PG9
NCKPF08FKK-SHS8001	8Pin	0.5A	AC 50V / DC 60V	Solder	ONENET Practical	PG9

NMEA OneNet X-Code Receptacle Front Fastened, IPX8





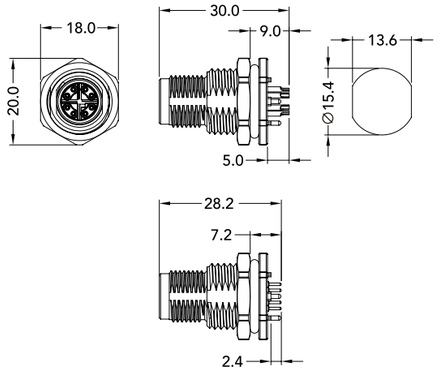
Features and Benefits

- **Female Connector, Female Pin**
- NMEA OneNet X-coded panel mount receptacles in M16 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPF08FKK-SHP8002	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	ONENET Practical	M16
NCKPF08FKK-SHS8002	8Pin	0.5A	AC 50V / DC 60V	Solder	ONENET Practical	M16

NMEA OneNet X-Code Receptacle Front Fastened, IPX8





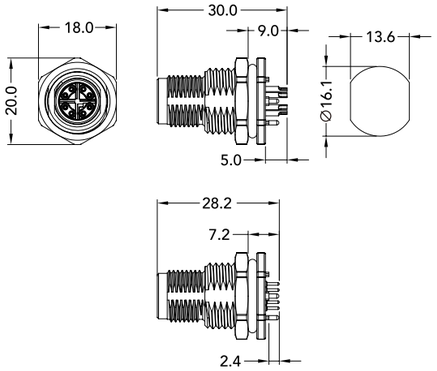
Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded panel mount receptacles in PG9 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPM08MKK-SHP8001	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	ONENET Practical	PG9
NCKPM08MKK-SHS8001	8Pin	0.5A	AC 50V / DC 60V	Solder	ONENET Practical	PG9

NMEA OneNet X-Code Receptacle Front Fastened, IPX8



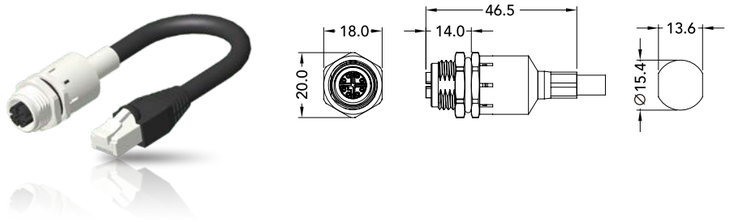


Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded panel mount receptacles in M16 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPM08MKK-SHP8002	8Pin	0.5A	AC 50V / DC 60V	PCB Straight	ONENET Practical	M16
NCKPM08MKK-SHS8002	8Pin	0.5A	AC 50V / DC 60V	Solder	ONENET Practical	M16

NMEA OneNet X-Code Receptacle Front Fastened, IPX8

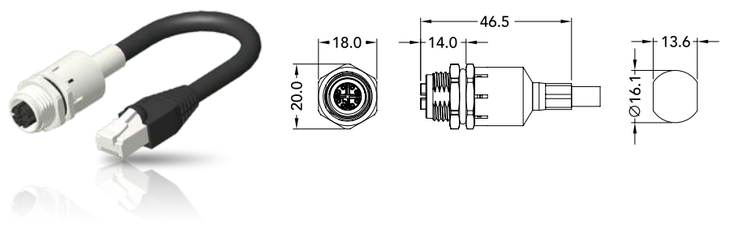


Features and Benefits

- **Female Connector, Female Pin**
- NMEA OneNet X-coded panel mount receptacles in PG9 Thread
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPF08FKK-SHC8DXXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	ONENET Practical	PG9
NCKPF08FKK-SHG8DXXX	8Pin	0.5A	AC 50V / DC 60V	Connector End	ONENET Practical	PG9

NMEA OneNet X-Code Receptacle Front Fastened, IPX8

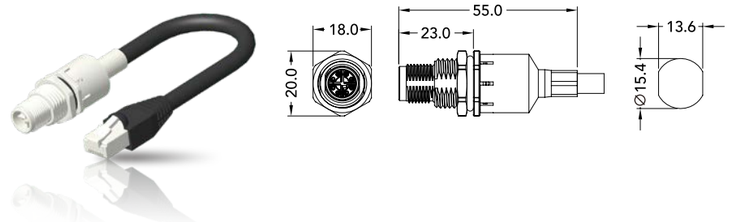


Features and Benefits

- **Female Connector, Female Pin**
- NMEA OneNet X-coded panel mount receptacles in M16 Thread
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPF08FKK-SHD8DXXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	ONENET Practical	M16
NCKPF08FKK-SHM8DXXX	8Pin	0.5A	AC 50V / DC 60V	Connector End	ONENET Practical	M16

NMEA OneNet X-Code Receptacle Front Fastened, IPX8

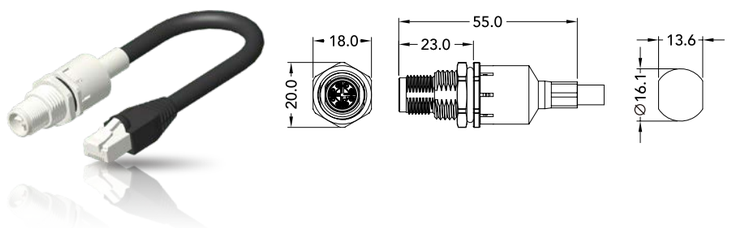


Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded panel mount receptacles in PG9 Thread
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPM08MKK-SHC8DXXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	ONENET Practical	PG9
NCKPM08MKK-SHG8DXXX	8Pin	0.5A	AC 50V / DC 60V	Connector End	ONENET Practical	PG9

NMEA OneNet X-Code Receptacle Front Fastened, IPX8



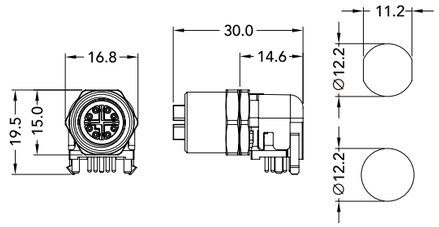
Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded panel mount receptacles in M16 Thread
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPM08MKK-SHD8DXXX	8Pin	0.5A	AC 50V / DC 60V	Cable End Cut	ONENET Practical	M16
NCKPM08MKK-SHM8DXXX	8Pin	0.5A	AC 50V / DC 60V	Connector End	ONENET Practical	M16

NMEA OneNet X-Code Receptacle Front Fastened, IPX8





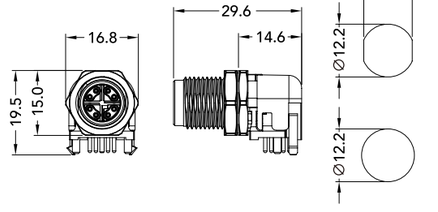
Features and Benefits

- **Female Connector, Female Pin**
- NMEA OneNet X-coded panel mount receptacles in M12 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPF08FKK-SHR801A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	ONENET Practical	M12 Thk 1.5mm Max.+Cover
NCKPF08FKK-SHR802A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	ONENET Practical	M12 Thk1.5~3.0mm+Cover

NMEA OneNet X-Code Receptacle Front Fastened, IPX8





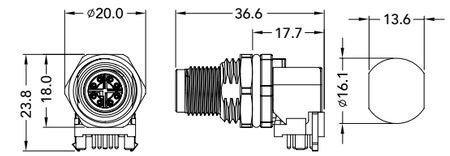
Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded panel mount receptacles in M12 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPM08MKK-SHR801A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	ONENET Practical	M12+Cover

NMEA OneNet X-Code Receptacle Front Fastened, IPX8





Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded panel mount receptacles in M16 Thread
- Available in dip solder or thru-hole (THT) contacts
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Ass'y Type	Standard	Mounting
NCKPM08MKK-SHR804A	8Pin	0.5A	AC 50V / DC 60V	PCB Right Angle	ONENET Practical	M16+Cover

NMEA OneNet X-Code Cable Assembly

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V /DC 60V
Contact Resistance	≦ 15mΩ
Withstanding Voltage	AC 500V/1 Minute
Standard	-

Environmental Data

Mating Style	Screw Thread
Temperature Range	-20℃ ~ +80℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568

How to Order

NCKB**X**08**X**KK – SL**X**7**XXXX**

- **Connector Gender**: F – Female; M – Male
- **Contact Type**: F – Female; M – Male
- **Assembly Style**: C – Simple Cut Cable; G – Plug End Cable
- **Cable Type / Length**: Meter: D01M~D20M; Feet: D01F~D66F

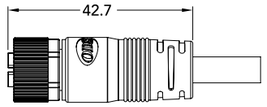
NCD – K**X**1K**X**1000**XXXX**

- **Connector Gender**: F – Female; M – Male
- **Contact Type**: F – Female; M – Male
- **Serial Type / Length**: Meter: D01M~D20M; Feet: D01F~D66F

NMEA OneNet X-Code Cable Assembly Straight, IPX7 (Mated)







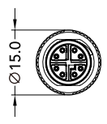
Features and Benefits

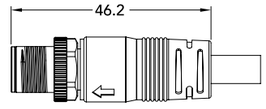
- **Female Connector, Female Pin**
- NMEA OneNet X-coded cable assemblies with threaded couplers
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Connector Type	Contact	Current	Voltage	Standard
NCKBF08FKK-SLC7DXXX	Cable Assembly Straight	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCKBF08FKK-SLG7DXXX	Cable Assembly Straight	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical

NMEA OneNet X-Code Cable Assembly Straight, IPX7 (Mated)







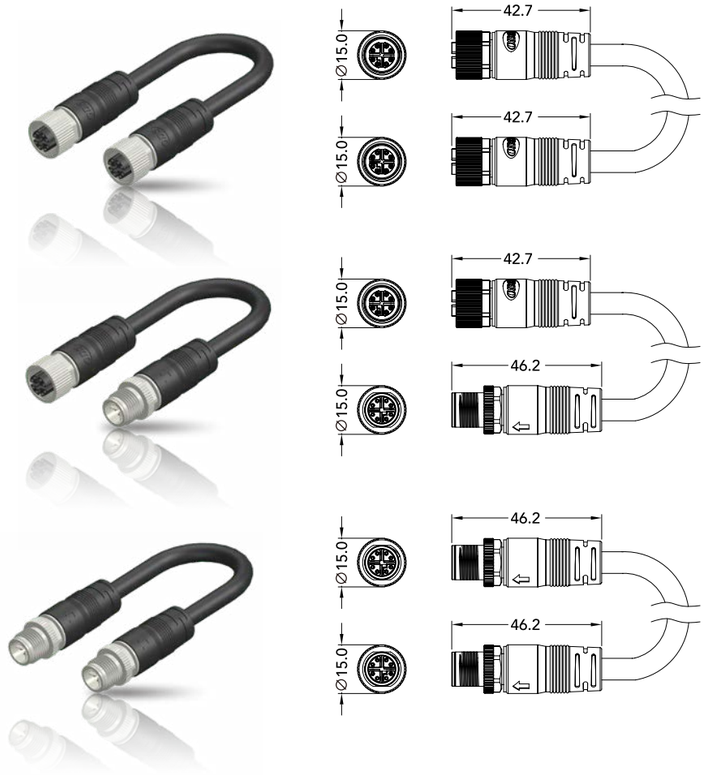
Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-coded cable assemblies with threaded couplers
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Connector Type	Contact	Current	Voltage	Standard
NCKBM08MKK-SLC7DXXX	Cable Assembly Straight	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCKBM08MKK-SLG7DXXX	Cable Assembly Straight	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical

NMEA OneNet X-Code Cable Assembly

Double-Ended Cordset, IPX7 (Mated)



Features and Benefits

- **Male and female cable ends for trunk or drop lines**
- NMEA OneNet X-coded cable assemblies with threaded couplers
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Connector Type	Contact	Current	Voltage	Standard
NCD-KF1KF1000DXXX	Cable Assembly Double End	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCD-KM1KF1000DXXX	Cable Assembly Double End	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCD-KM1KM1000DXXX	Cable Assembly Double End	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical

NMEA OneNet X-Code Field Installable IDC

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V /DC 60V
Contact Resistance	≦ 15mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 500V/1 Minute
Standard	-

Environmental Data

Mating Style	Screw Thread
Wire Gauge	22 AWG ~ 26 AWG
Cable OD	Φ5.5~Φ8.0mm
Temperature Range	-25℃ ~ +85℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times
Transmission Category	EtherNet CAT6A to TIA-568
Mode of Connection	Insulation Displacement Connection Technology

How to Order

NCKD **X** 08 **X** KK – SLD7 **XXX**

Connector Gender
F – Female
M – Male

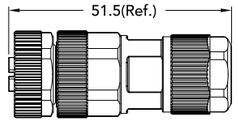
Contact Type
F – Female
M – Male

Serial Number

NMEA OneNet X-Code Field Installable IDC **Straight, IPX7 (Mated)**







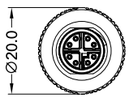
Features and Benefits

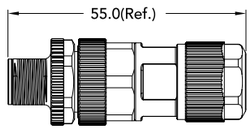
- **Female Connector, Female Pin**
- NMEA OneNet X-Coded connector
- IDC connection for fast and reliable installations
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Cable Range	Standard
NCKDF08FKK-SLD7001	8Pin	0.5A	AC 50V / DC 60V	Φ5.5mm~Φ8.0mm	ONENET Practical

NMEA OneNet X-Code Field Installable IDC **Straight, IPX7 (Mated)**







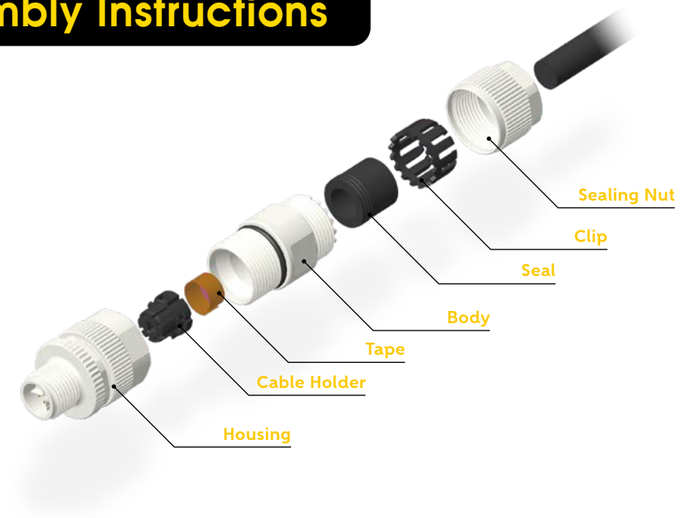
Features and Benefits

- **Male Connector, Male Pin**
- NMEA OneNet X-Coded connector
- IDC connection for fast and reliable installations
- 4 pairs data transmission up to 10 Gbit/s
- Fully shielded for high noise immunity

Part Number	Contact	Current	Voltage	Cable Range	Standard
NCKDM08MKK-SLD7001	8Pin	0.5A	AC 50V / DC 60V	Φ5.5mm~Φ8.0mm	ONENET Practical

NMEA OneNet X-Code Field Installable IDC

Assembly Instructions



1



Insert the cable through the sealing nut,clip, seal, body.

2



Strip the cable sheath.

3



Insert cable wire and braid hook to housing.

4



Tape the braid.

5



Assemble with semi-finished products

6



Screw the body.

7



Insert the Seal.

8



Insert the Clip.

9



Connect the sealing nut and tighten using hand tool (optional) or your hand while holding ass'y.

NMEA OneNet Adaptor

Product Specifications

General Data

Number of Positions	8P
Coding	X-Coding
Contact Housing	Nylon +GF
Screw Nut	Zinc Alloy, Nickel Plated
Terminal	Copper Alloy, Gold Plated

Environmental Data

Mating Style	Screw Thread
Temperature Range	-25℃ ~ +85℃
Salt Spray	48 hr.
Protection Class	IPX7 (Mated)
Durability	100 Times

Electrical Data

Current Rating	0.5A
Voltage Rating	AC 50V /DC 60V
Contact Resistance	≦ 15mΩ
Insulation Resistance	≧ 100MΩ at DC 500V
Withstanding Voltage	AC 500V/1 Minute
Standard	-

How to Order

NCX – KX1 X X 1000001

Style
E – Elbow Adaptor
L – Inline Adaptor

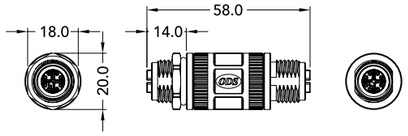
Connector Gender
F – Female
M – Male

Connector Style
K – X CODE
R – RJ45

Connector Gender
F – Female
M – Male

NMEA OneNet Adaptor (Metal Nut) Inline Adaptor, IPX7 (Mated)





Features and Benefits

- **Inline Adaptor easily swaps connector gender to desired connector type**
- Provides neat connections along the network
- Transmission properties for CAT6A Ethernet compliant with IEC 61076-2-109
- Fully shielded for high noise immunity

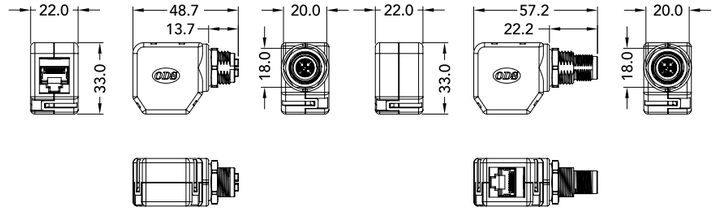
Part Number	Contact	Current	Voltage	Standard
NCL-KF1KF1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCL-KM1KF1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCL-KM1KM1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical

NMEA OneNet Adaptor (Metal Nut) RJ45 to X-Code Adaptor, IPX7 (Mated)



Features and Benefits

- **Provides neat connections along the network**
- Ensure secure data transmission in high noise (EMI/RFI) environment
- Fully shielded for high noise immunity
- Straight or angled version available to fit industry applications



Part Number	Contact	Current	Voltage	Standard
NCE-KF1RF1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCE-KM1RF1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical

Part Number	Contact	Current	Voltage	Standard
NCL-KF1RF1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical
NCL-KM1RF1000001	8Pin	0.5A	AC 50V / DC 60V	ONENET Practical

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