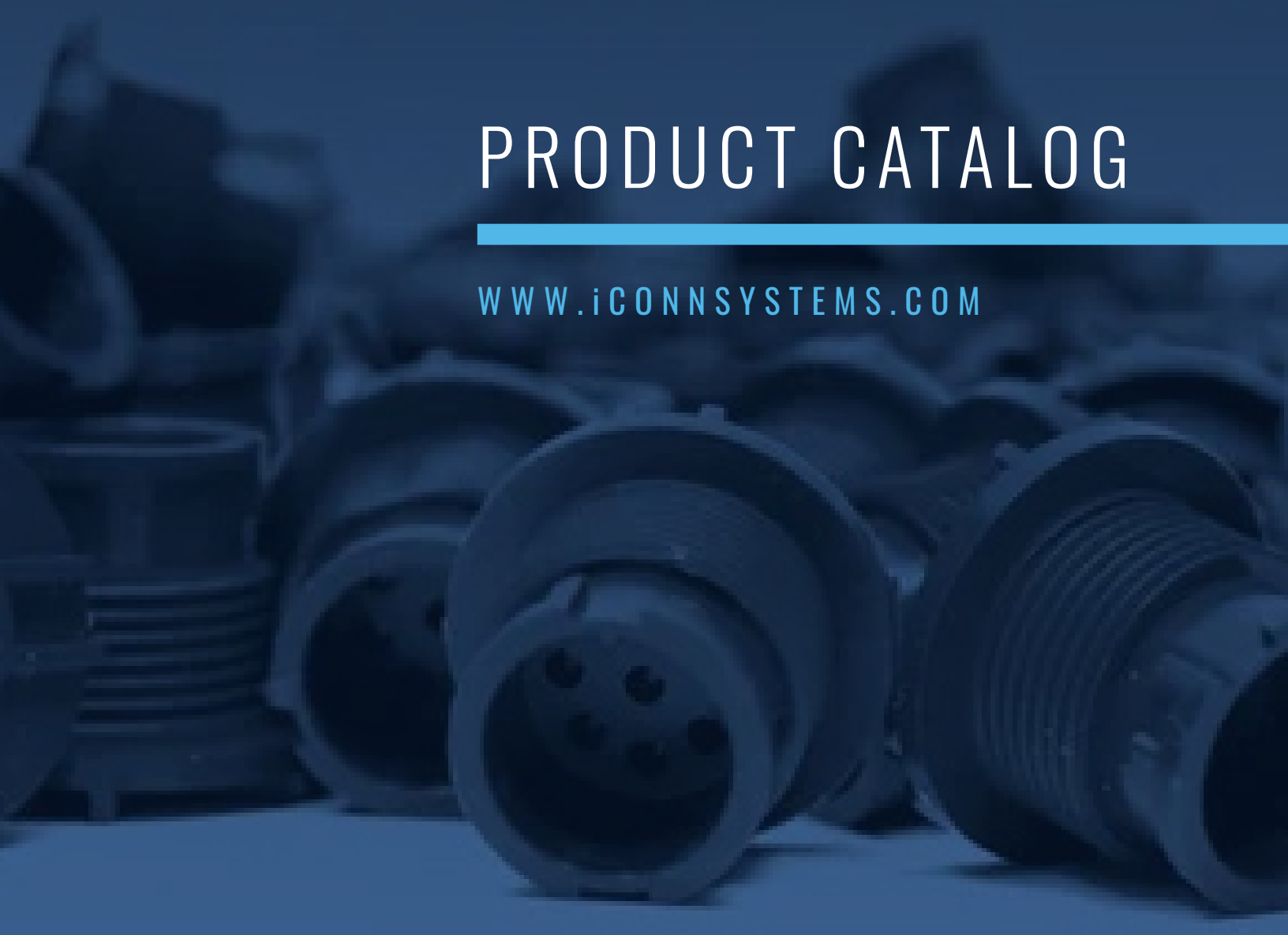
iCONN SYSTEMS, LLC

PRODUCT CATALOG

WWW.iCONNSYSTEMS.COM



At iCONN Systems, we strive for continued success and believe staying on top of technology and developing quality products and services and building strong customer relationships will continue to bring iCONN Systems to the top. We develop products with a total design concept that considers application constraints, durability, ergonomics, as well as audio and tactical features.

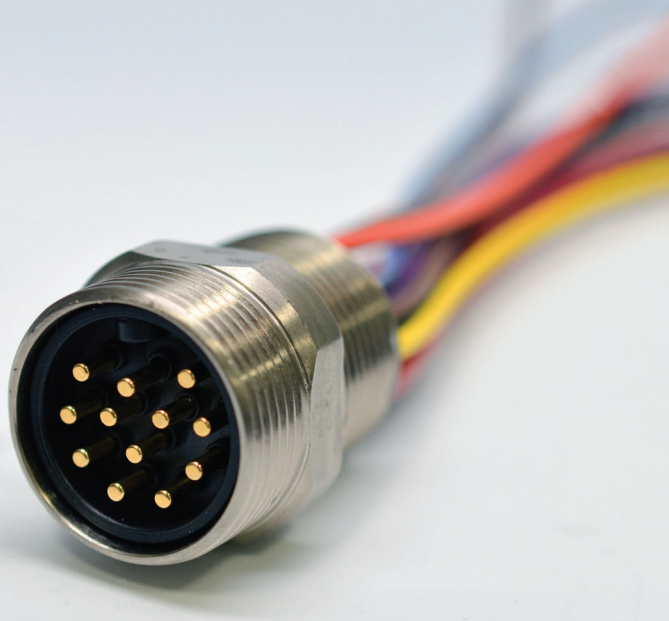


TABLE OF CONTENTS

AMPERAGE CHART CAPABILITIES
PAGE 3


iMATE 17
PAGE 5


iMATE 23
PAGE 6


iMATE 28
PAGE 7


iMATE 36
PAGE 8


iCPC
PAGE 11


iSENSOR i8
PAGE 12


iSENSOR i12
PAGE 15


iSENSOR iMINI
PAGE 18

ADDITIONAL PRODUCTS
PAGE 20

ICONN SYSTEMS. LLC an R2M co.

To stay safe and efficient, it's important to choose the appropriate contact size for a connector application. For your reference, we've created this Ampacity Guide based on UL requirements and the National Electric Code.

In it, you will find the maximum amperage that can be applied to all contacts based on the size of the contact and the number of contacts in the insert configuration. Get the rated and derated ampacity for various contact sizes to ensure your choice is accurate.

CONTACT AMPACITY

CONTACT SIZE/GAUGE	RATED AMPACITY (UP TO 3 CONTACTS)	DERATED AMPACITY (4-6 CONTACTS)	DERATED AMPACITY (7-9 CONTACTS)	DERATED AMPACITY (10-20 CONTACTS)
26	1.3	1.0	.9	.65
24	2.0	1.6	1.4	1.0
23	3.0	2.4	2.1	1.5
22	5.0	4.0	3.5	2.5
20	7.5	6.0	5.2	3.6
16	13.0	10.4	9.1	6.5
14	17	13.6	11.9	8.5
12	23.0	18.4	16.1	11.5
10	33	26.4	23.1	16.5

Data based on the following:
- Conductors are the same size / gauge as contact.
- Number of contacts carrying rated load shown in red.
- Rated ampacity based on industry standard contact ratings.
- Derated ampacity based on NEC table 400.5(A)(3).

ICONN SYSTEMS. LLC an R2M co.

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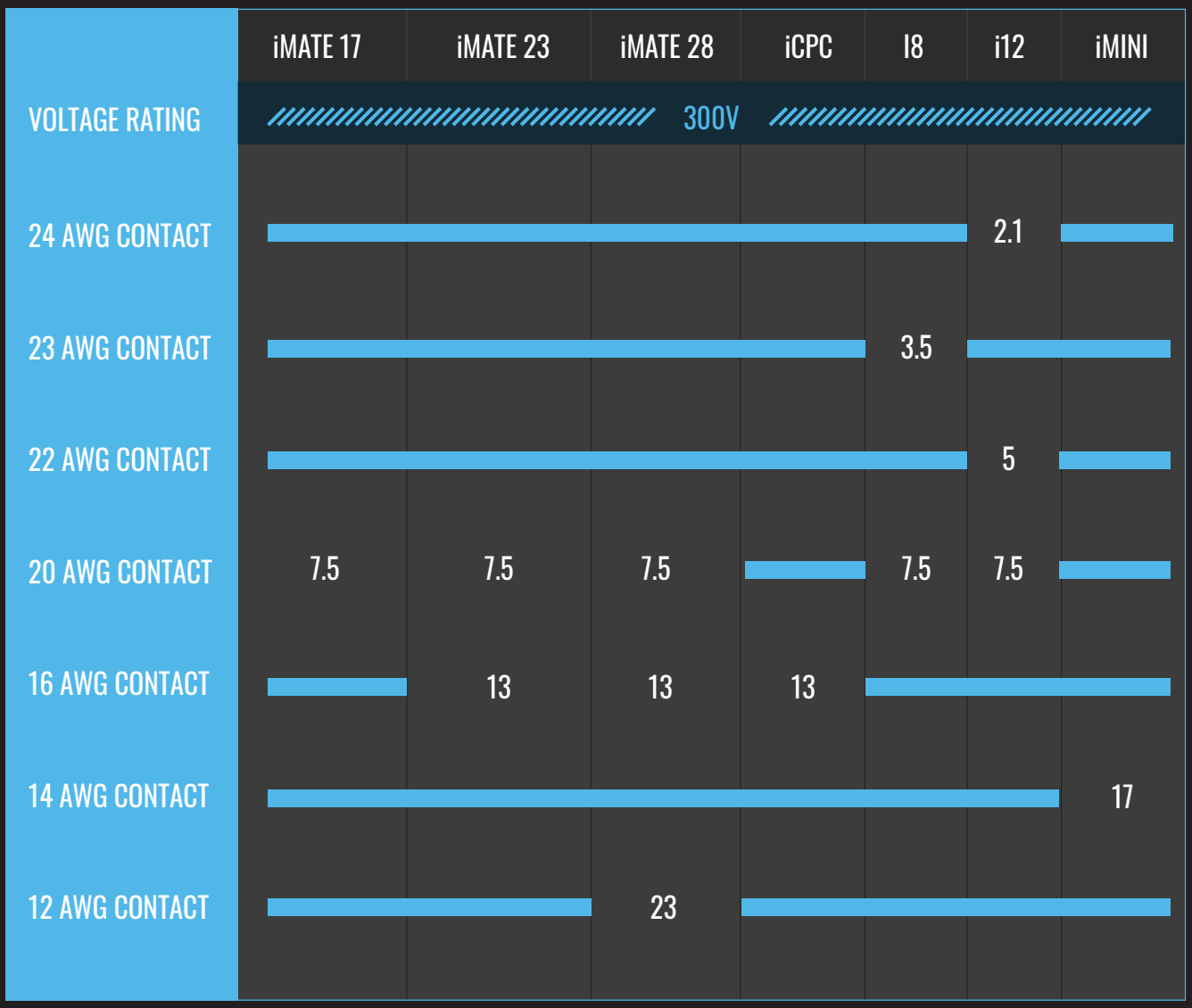
ICONN SYSTEMS IS PROUD TO OFFER FREE ENGINEERING SERVICES

to those looking for assistance with their overmolded cables, connectors and custom products.

FOR MORE INFORMATION ON HOW WE CAN HELP, **CONTACT US TODAY!**

AMPERAGE OPTIONS



Amperages shown are maximum for a single contact, and based on a 30° C temperature rise

Amperages for complete connector assemblies depends on:

- Number of contacts
- Wire insulation temperature rating specified
- Maximum ambient temperature of the application
- Expected amperage duty cycle of the connector

CUSTOM ENGINEERED SOLUTIONS

3D Modeling Software

Electrical, Mechanical & Environmental Testing Capabilities

Vertical Integration Capabilities

- Overmolding / Insert Molding
- Low Pressure Molding
- Select Soldering
  - PCBs, Flex Circuits
- CNC Select Screw Machining
- Various CNC Machining Capabilities

3D Printer Rapid Prototyping

MADE IN AMERICA

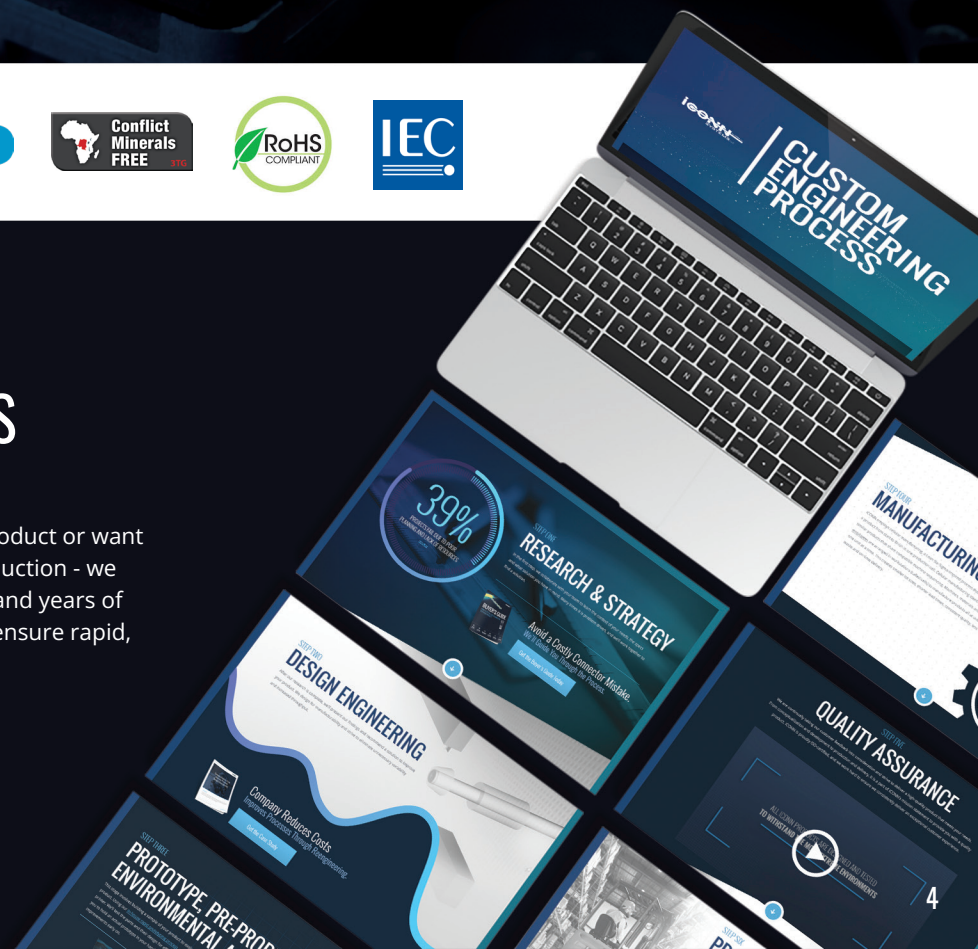
ITAR Compliant International Traffic in Arms Regulations | UL | REACH COMPLIANCE | ISO | Conflict Minerals FREE 3TG | RoHS COMPLIANT | IEC

OUR CUSTOM ENGINEERING PROCESS

SIX STEPS TO SUCCESS.

Whether you need to re-engineer an existing product or want to bring your idea to life from prototype to production - we do it all. After thousands of successful projects and years of experience, we have fine-tuned our process to ensure rapid, cost-efficient production at the highest quality

SEE HOW WE DO IT→



iCONN SYSTEMS, LLC an R2M co.

iMATE 17™ SERIES

MATERIALS

Plug Housing ..... Glass Filled PBT

Coupling Nut PA66

Receptacle Housing..... Glass Filled PBT

Jam Nut ..... Glass Filled PBT

Mounting Gasket ..... Neoprene

Contacts .....Cu Alloy, Gold over Nickel Plating

Plug O-Ring: ..... Silicone

Overmold ..... Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting OD..... 0.43" (10.8mm)

Basic Plug OD ..... 0.59" (15.0mm)

In-Line Receptacle OD..... 0.53" (13.5mm)

Overmold Length w Strain Relief.....1.15 (29.2mm)

Max Cable Diameter..... 0.35" (8.9mm)

Contact Sizes Available .....20 AWG, 22 AWG

Performance:

Ingress Protection .....IP 67, IP 68

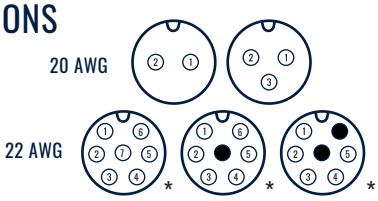
Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

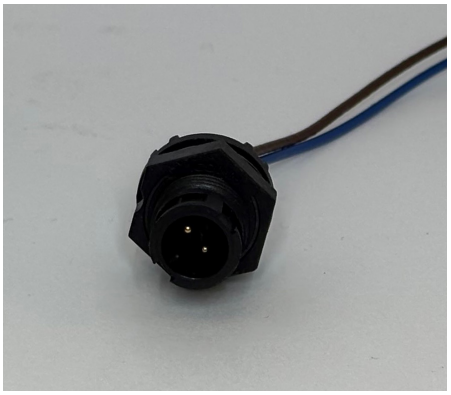
MALE AND FEMALE PLUG CONFIGURATIONS

**Configurations are face view*

CONTACT LOCATIONS



* ONLY AVAILABLE WITH SOCKETS

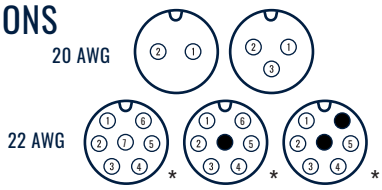


OVERMOLDED IN-LINE RECEPTACLES OR PANEL MOUNT RECEPTACLE

MALE AND FEMALE PLUG CONFIGURATIONS

**Configurations are face view*

CONTACT LOCATIONS



* ONLY AVAILABLE WITH PINS

iMATE 23™ SERIES

MATERIALS

Plug Housing ..... Glass Filled PBT

Coupling Nut ..... Glass Filled PBT

Receptacle Housing..... Glass Filled PBT

Jam Nut ..... Glass Filled PBT

Mounting Gasket ..... Neoprene

Contacts .....Cu Alloy, Gold over Nickel Plating

Plug O-Ring: ..... Silicone

Overmold ..... Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting OD..... 0.60" (15.3mm)

Basic Plug OD ..... 0.75" (19.0mm)

In-Line Receptacle OD..... 0.68" (38.5mm)

Overmold Length w Strain Relief.....1.52 (38.5mm)

Max Cable Diameter..... 0.35" (8.9mm)

Contact Sizes Available ....16 AWG, 20 AWG, 22 AWG

Performance:

Ingress Protection .....IP 67, IP 68

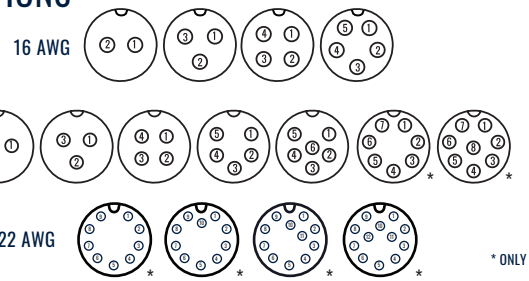
Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

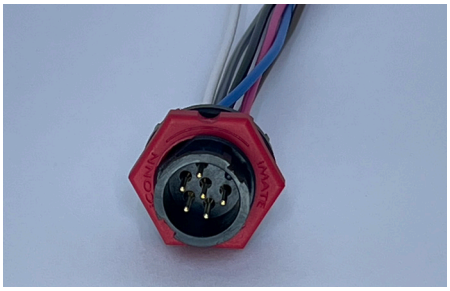
MALE AND FEMALE PLUG CONFIGURATIONS

*Configurations are face view

CONTACT LOCATIONS



* ONLY AVAILABLE WITH SOCKETS

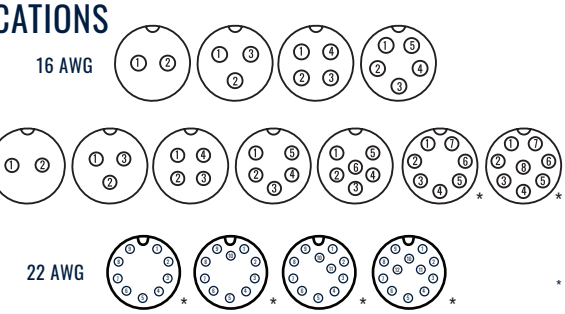


OVERMOLDED IN-LINE RECEPTACLES OR PANEL MOUNT RECEPTACLE

MALE AND FEMALE PLUG CONFIGURATIONS

*Configurations are face view

CONTACT LOCATIONS



* ONLY AVAILABLE WITH PINS

iMATE 28™ SERIES

MATERIALS

Plug Housing	Glass Filled PBT
Coupling Nut	Glass Filled PBT
Receptacle Housing	Glass Filled PBT
Jam Nut	Glass Filled PBT
Mounting Gasket	Neoprene
Contacts	Cu Alloy, Gold over Nickel Plating
Plug O-Ring:	Silicone
Overmold	Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting OD	0.79" (20.0mm)
Basic Plug OD	0.94" (23.8mm)
In-Line Receptacle OD	0.87" (22.0mm)
Overmold Length w Strain Relief	1.57 (39.8mm)
Max Cable Diameter	0.50" (12.7mm)
Contact Sizes Available	12AWG, 16 AWG, 20AWG

Performance:

Ingress Protection	IP 67, IP 68

Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

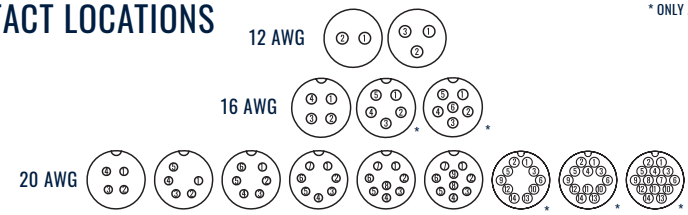
STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

MALE AND FEMALE PLUG CONFIGURATIONS

**Configurations are face view*

CONTACT LOCATIONS

* ONLY AVAILABLE WITH PINS



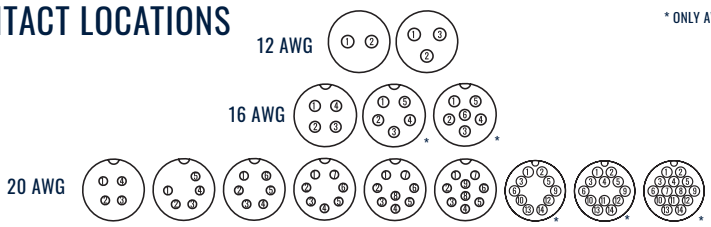
OVERMOLDED IN-LINE RECEPTACLES OR PANEL MOUNT RECEPTACLE

MALE AND FEMALE PLUG CONFIGURATIONS

**Configurations are face view*

CONTACT LOCATIONS

* ONLY AVAILABLE WITH SOCKETS



iMATE 36™ SERIES

MATERIALS

Plug Housing	Glass Filled PBT
Coupling Nut	Glass Filled PBT
Receptacle Housing	Glass Filled PBT
Jam Nut	Glass Filled PBT
Mounting Gasket	Neoprene
Contacts	Cu Alloy, Gold over Nickel Plating
Plug O-Ring:	Silicone
Overmold	Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting OD	0.79" (20.0mm)
Basic Plug OD	0.94" (23.8mm)
In-Line Receptacle OD	0.87" (22.0mm)
Overmold Length w Strain Relief	1.57 (39.8mm)
Max Cable Diameter	0.50" (12.7mm)
Contact Sizes Available	12AWG, 16 AWG, 18 AWG, 20 AWG

Performance:

Ingress Protection	IP 67, IP 68

Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

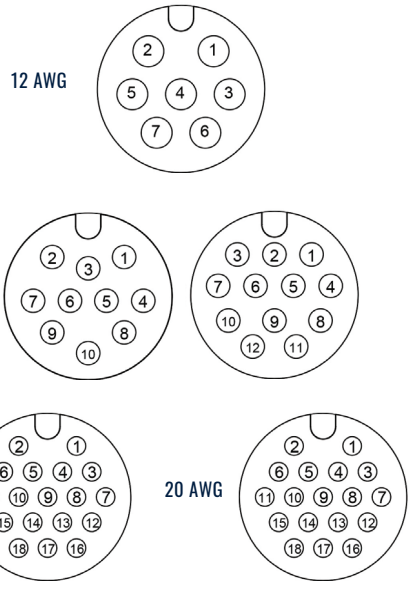
STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

MALE AND FEMALE PLUG CONFIGURATIONS

**Configurations are face view*

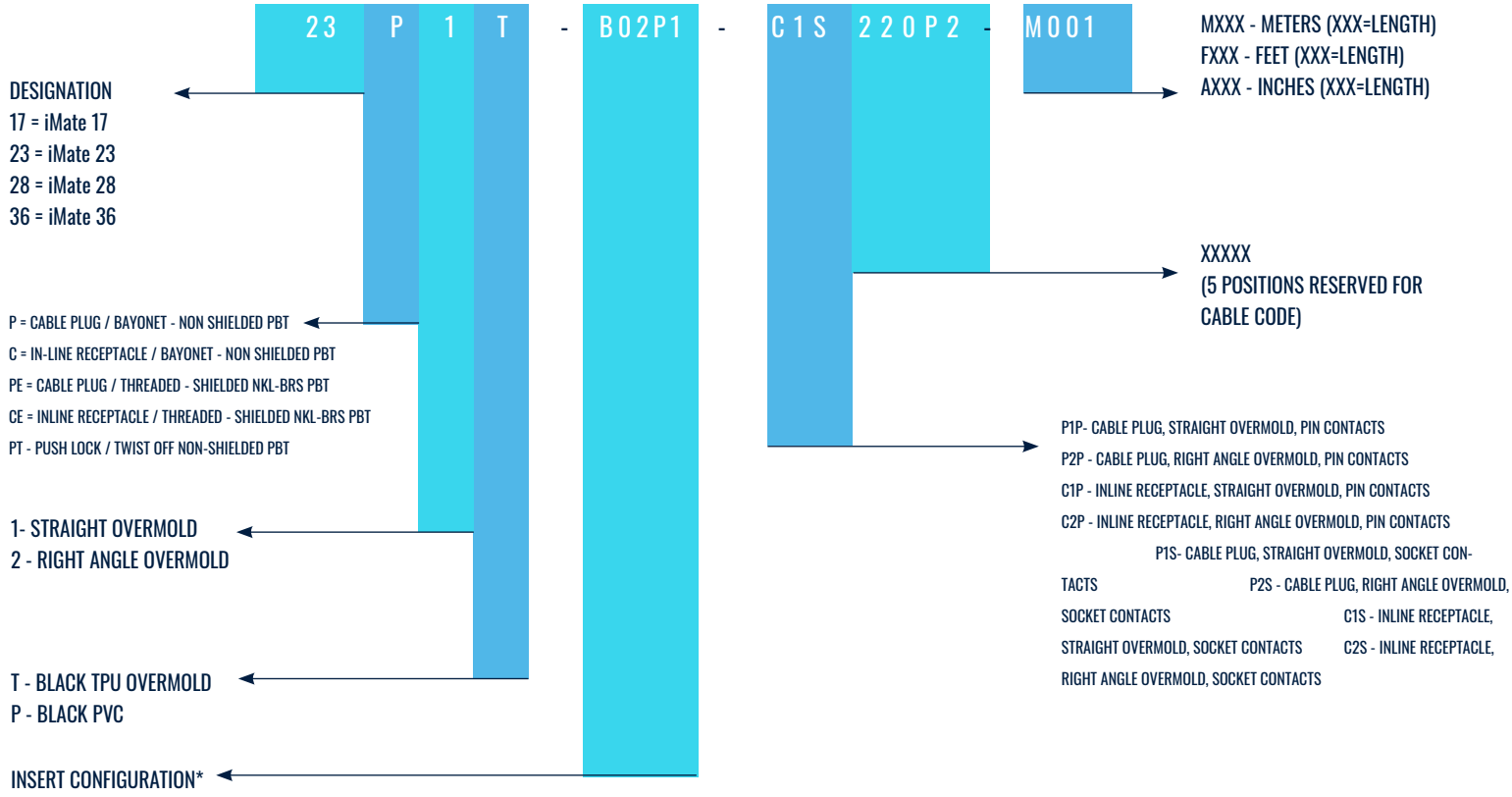
CONTACT LOCATIONS

* ONLY AVAILABLE WITH SOCKETS

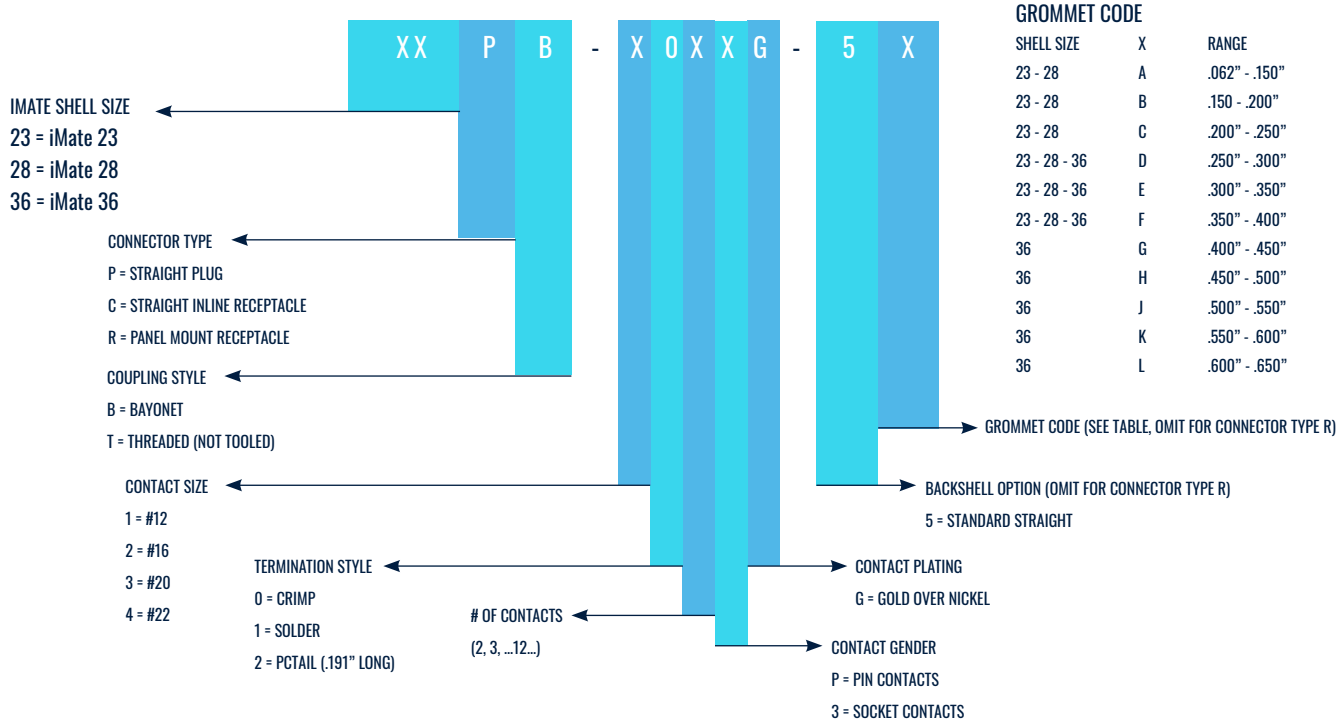


iMATE™ PART NUMBERING CODE LOGIC

CABLE FITTING NOMENCLATURE



FIELD INSTALLABLE NOMENCLATURE

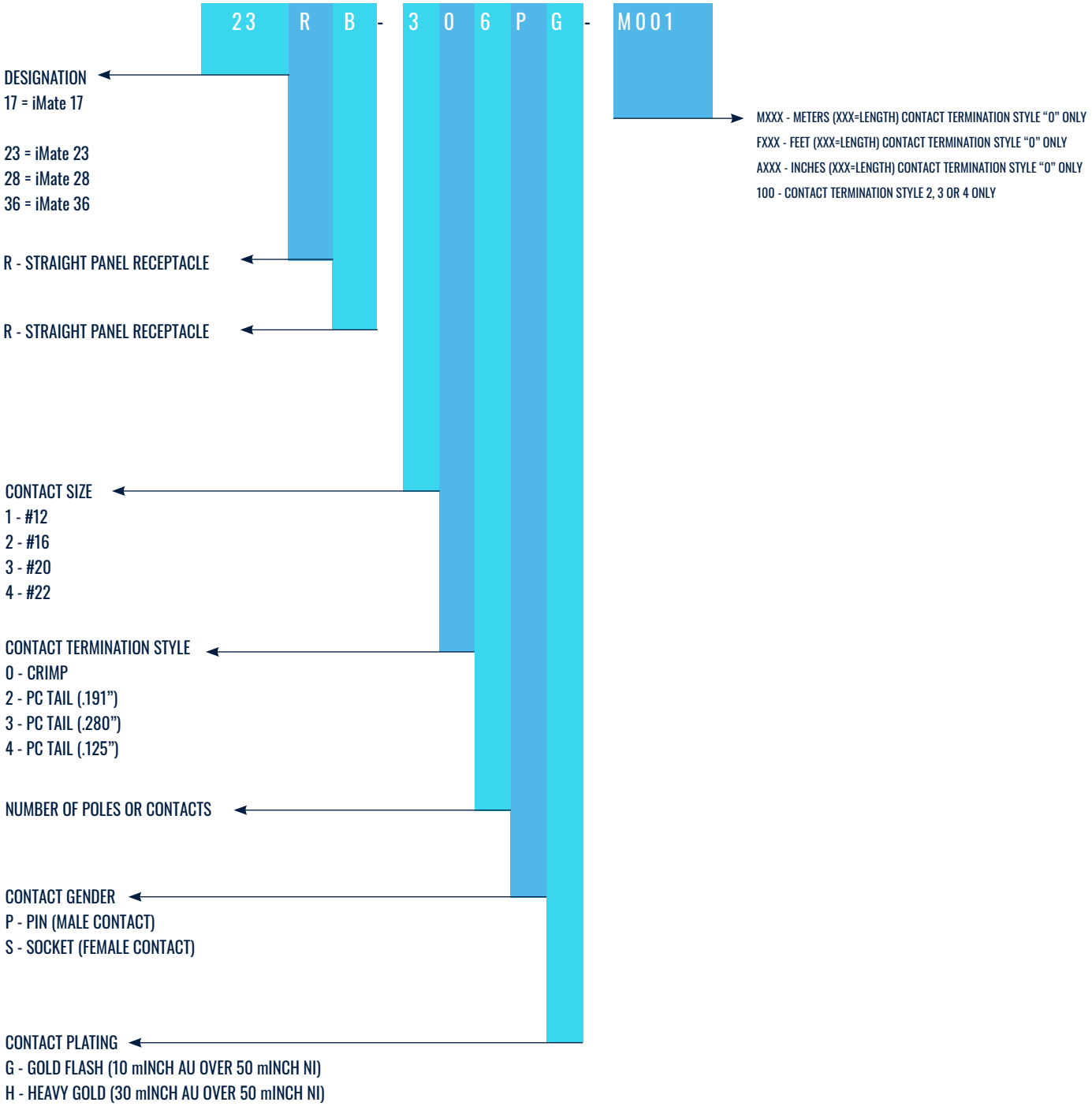


GROMMET CODE

SHELL SIZE	X	RANGE
23 - 28	A	.062" - .150"
23 - 28	B	.150 - .200"
23 - 28	C	.200" - .250"
23 - 28 - 36	D	.250" - .300"
23 - 28 - 36	E	.300" - .350"
23 - 28 - 36	F	.350" - .400"
36	G	.400" - .450"
36	H	.450" - .500"
36	J	.500" - .550"
36	K	.550" - .600"
36	L	.600" - .650"

iMATE™ PART NUMBERING CODE LOGIC

PANEL RECEPTACLE NOMENCLATURE



iCPC SERIES

MATERIALS

Contact Carrier..... Glass Filled PBT

Coupling Nut PA66

Panel Mount Housing ..... Glass Filled PA

Mounting Gasket/O-ring.....Buna

Contacts .....Cu Alloy, Gold over Nickel Plating

Plug O-Ring: ..... Silicone

Overmold..... Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting Flange.....1.74" SP

Basic Plug OD .....1.74" DIA.

In-Line Receptacle OD.....1.70" DIA.

Overmold Length w Strain Relief..... 2.90"

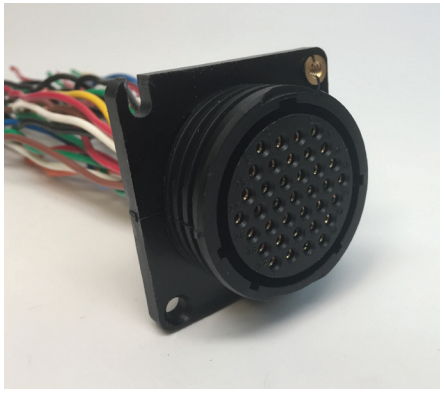
Max Cable Diameter..... 0.70"

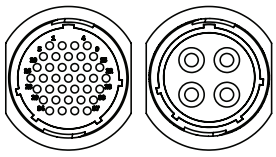
Contact Sizes Available .....10 AWG, 16 AWG

Performance:

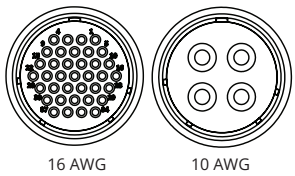
Ingress Protection .....IP 67, IP 68

Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

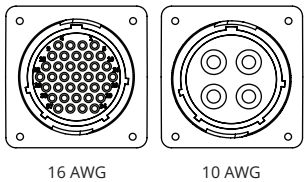




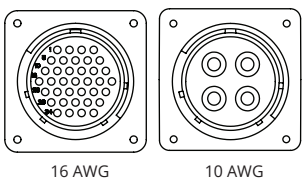
MALE IN-LINE RECEPTACLE CONFIGURATION



FEMALE PLUG CONFIGURATION



FEMALE PANEL MOUNT CONFIGURATION



MALE PANEL MOUNT CONFIGURATION

**Configurations are face view*

iSENSOR i8™ SERIES

MATERIALS

Contact Carrier..... Mineral Filled PA

Coupling Nut ..... Nickel Plated Brass or Stainless Steel

Panel Mount Housing ..... Nickel Plated Brass or Stainless Steel

Jam Nut ..... Nickel Plated Brass or Stainless Steel

Mounting Gasket/O-Ring.....Buna

Contacts.....Cu Alloy, Gold over Nickel Plating

Plug O-Ring: ..... Silicone

Overmold..... Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting OD.....M8 Thread

Basic Plug OD ..... 0.39" (9.9mm)

In-Line Receptacle OD..... 0.30" (9.9mm)

Overmold Length w Strain Relief..... 1.07" (27.2mm)

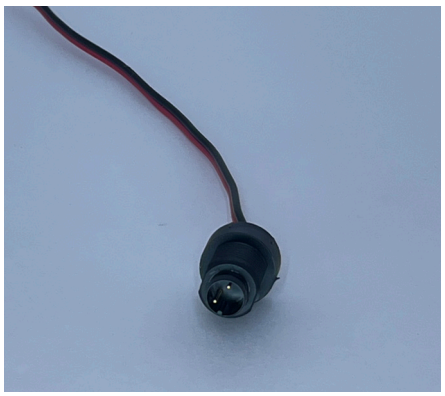
Max Cable Diameter..... 0.20" (5.08mm)

Contact Sizes Available .....20 AWG, 23 AWG

Performance:

Ingress Protection .....IP 67, IP 68

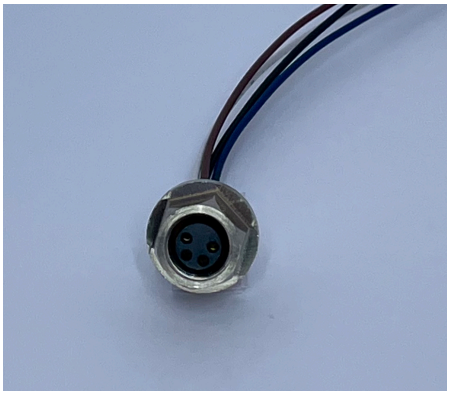
Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly



STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

THREADED AND SNAP LOCK AVAILABLE

**Configurations are face view*



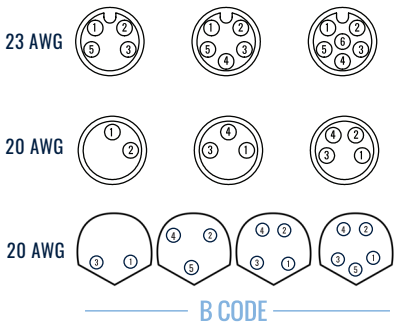
PANEL MOUNT RECEPTACLES

REAR AND FRONT MOUNT AVAILABLE

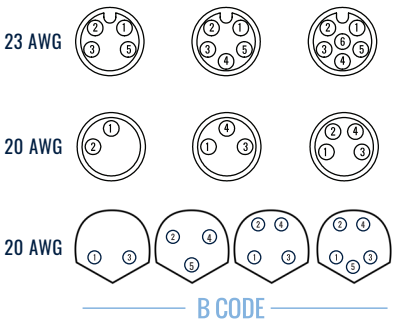
**Configurations are face view*

CONTACT LOCATIONS

FEMALE CONFIGURATIONS

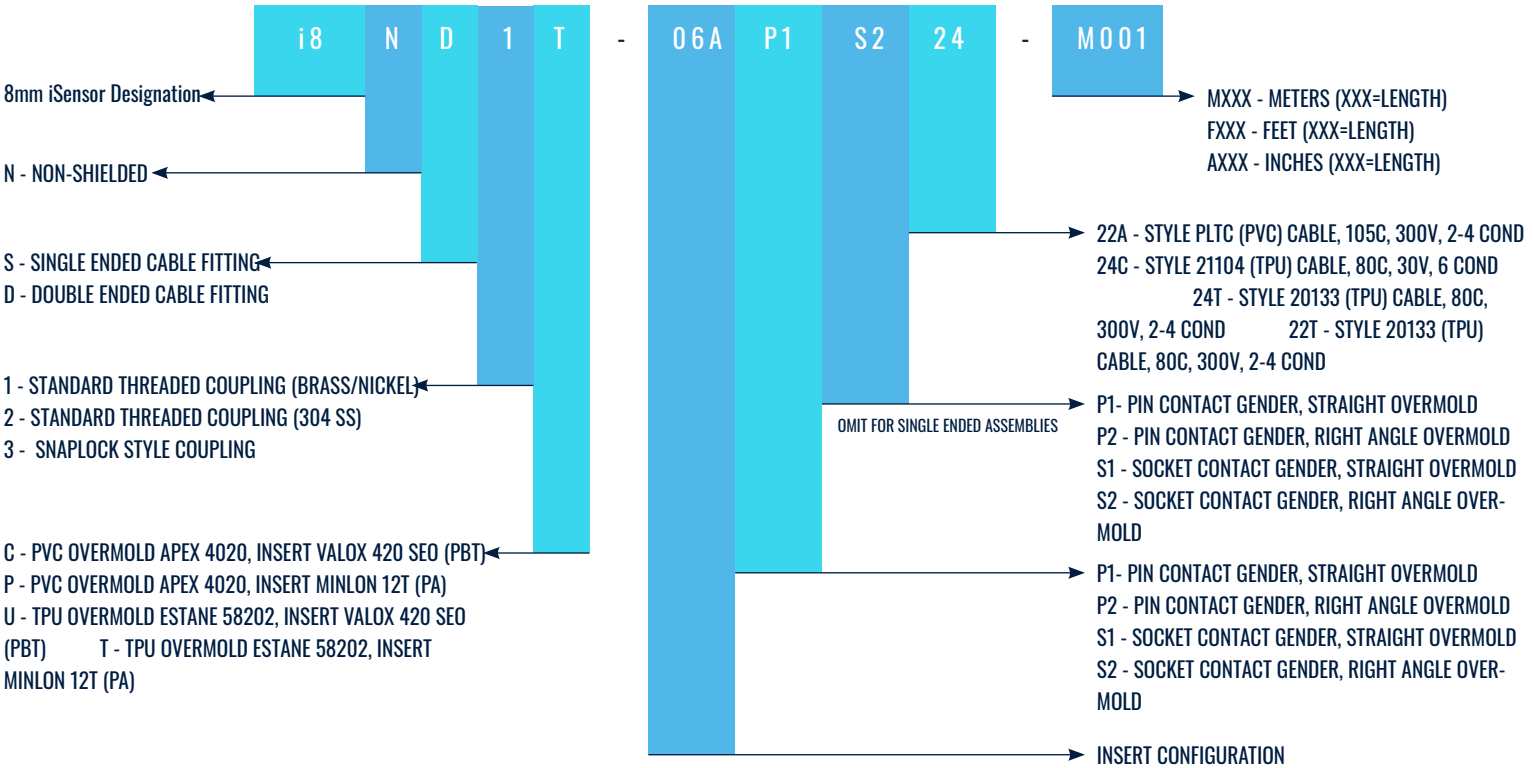


MALE CONFIGURATIONS



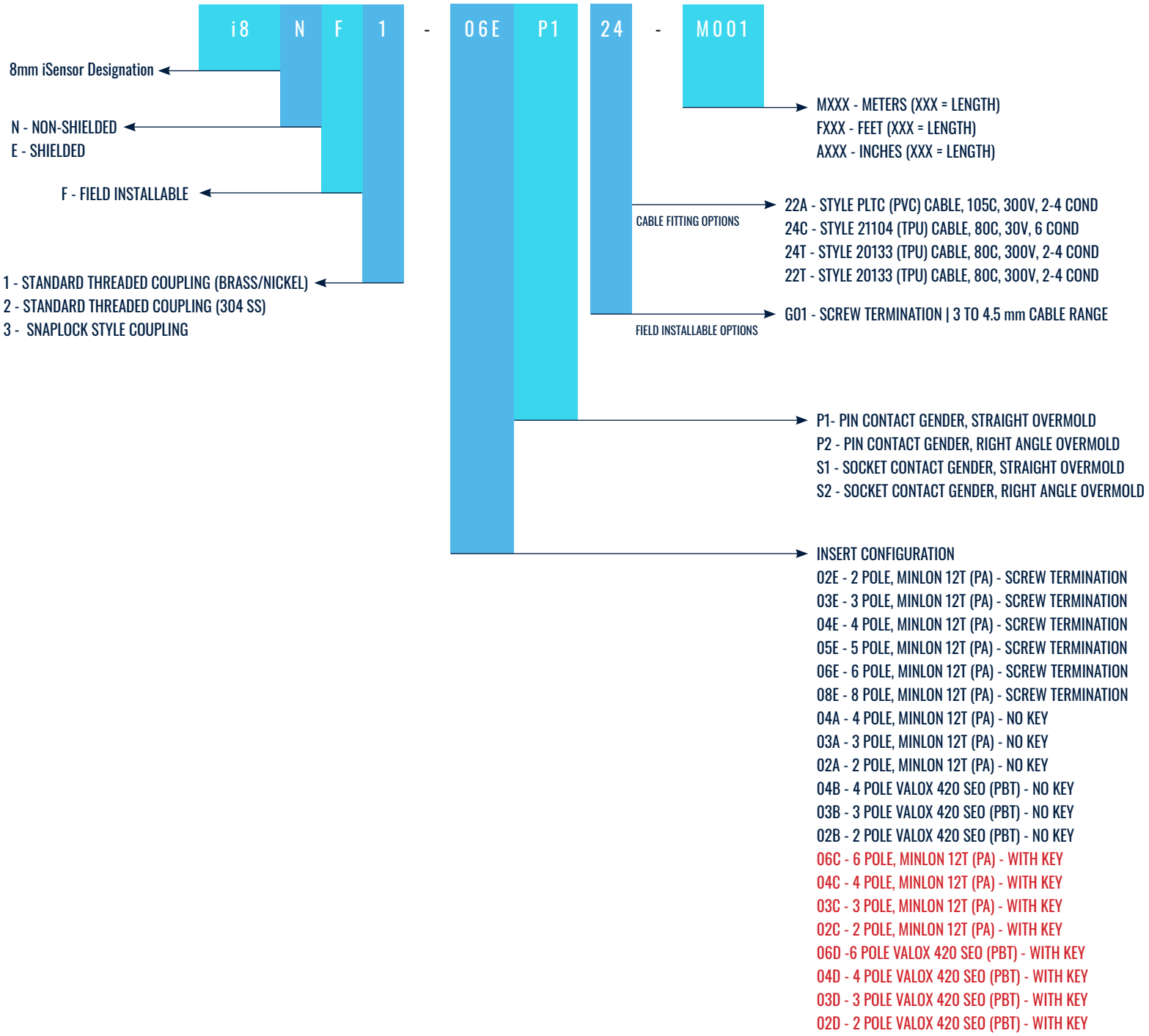
iSENSOR i8™ PART NUMBERING CODE LOGIC

CABLE FITTING NOMENCLATURE



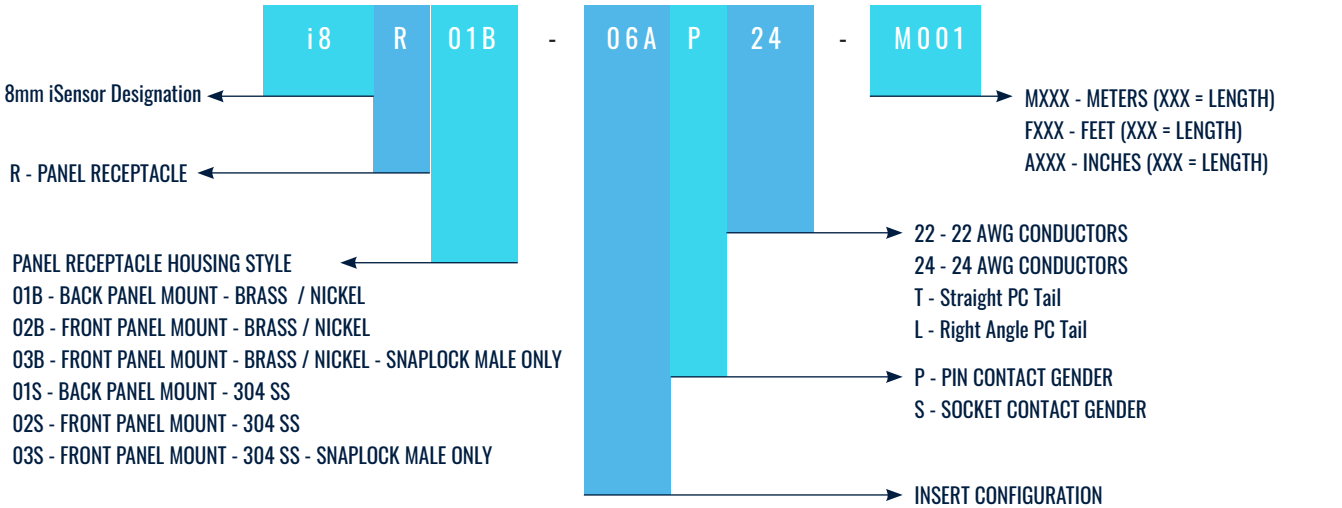
iSENSOR i8™ PART NUMBER CODE LOGIC

FIELD INSTALLABLE PLUG NOMENCLATURE



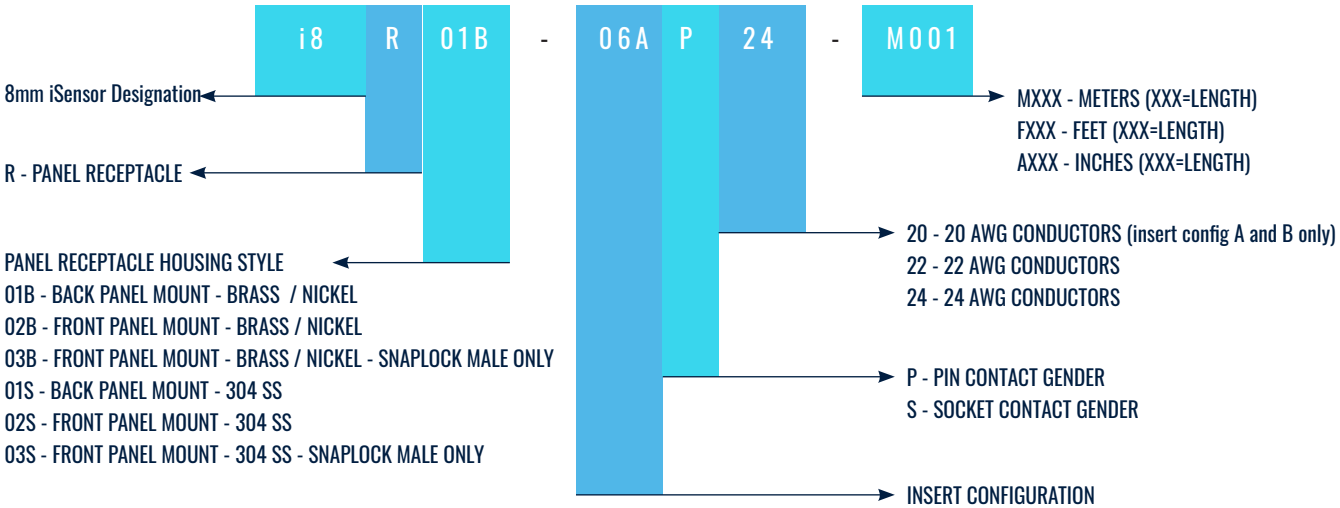
iSENSOR i8™ PART NUMBER CODE LOGIC

FIELD INSTALLABLE RECEPTACLE NOMENCLATURE



iSENSOR i8™ PART NUMBERING CODE LOGIC

PANEL RECEPTACLE NOMENCLATURE



iSENSOR i12™ SERIES

MATERIALS

Contact Carrier..... Mineral Filled PA

Coupling Nut ..... Nickel Plated Brass or Stainless Steel

Panel Mount Housing ..... Nickel Plated Brass or Stainless Steel

Jam Nut ..... Nickel Plated Brass or Stainless Steel

Mounting Gasket/O-Ring.....Buna

Contacts.....Cu Alloy, Gold over Nickel Plating

Plug O-Ring: ..... Silicone

Overmold..... Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting OD..... PG9 Thread

Basic Plug OD ..... 0.56" (14.2mm)

In-Line Receptacle OD..... 0.56" (14.2mm)

Overmold Length w Strain Relief.....1.14 (29.0mm)

Max Cable Diameter..... 0.33" (8.38mm)

Contact Sizes Available ... 16 AWG, 20 AWG, 22 AWG, 24 AWG

Performance:

Ingress Protection .....IP 67, IP 68

Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

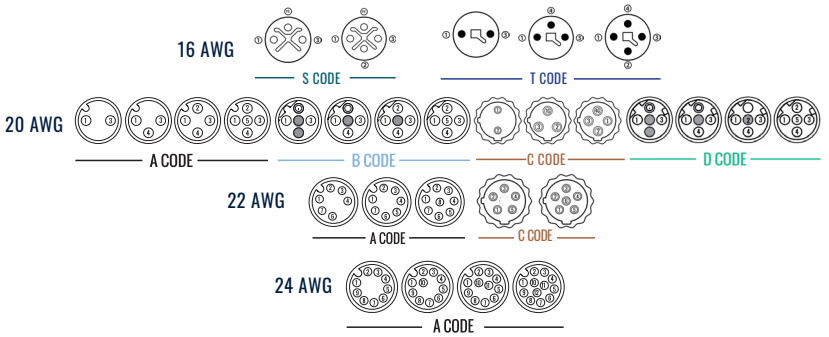
**Configurations are face view*

PANEL MOUNT RECEPTACLES

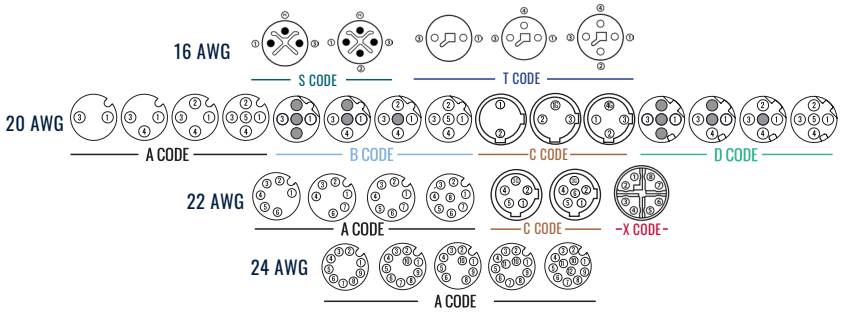
REAR AND FRONT MOUNT AVAILABLE

**Configurations are face view*

FEMALE CONFIGURATIONS

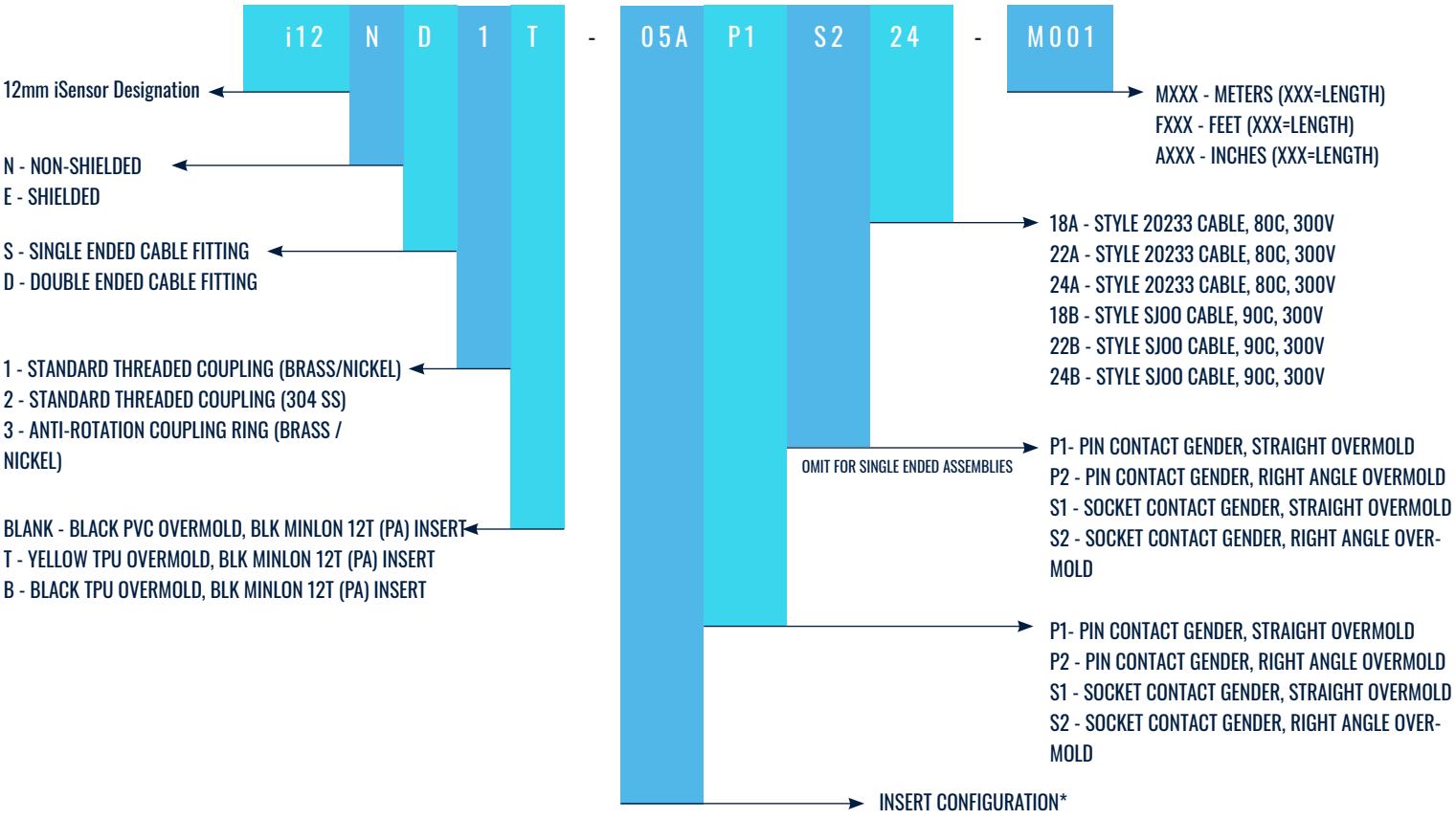


MALE CONFIGURATIONS



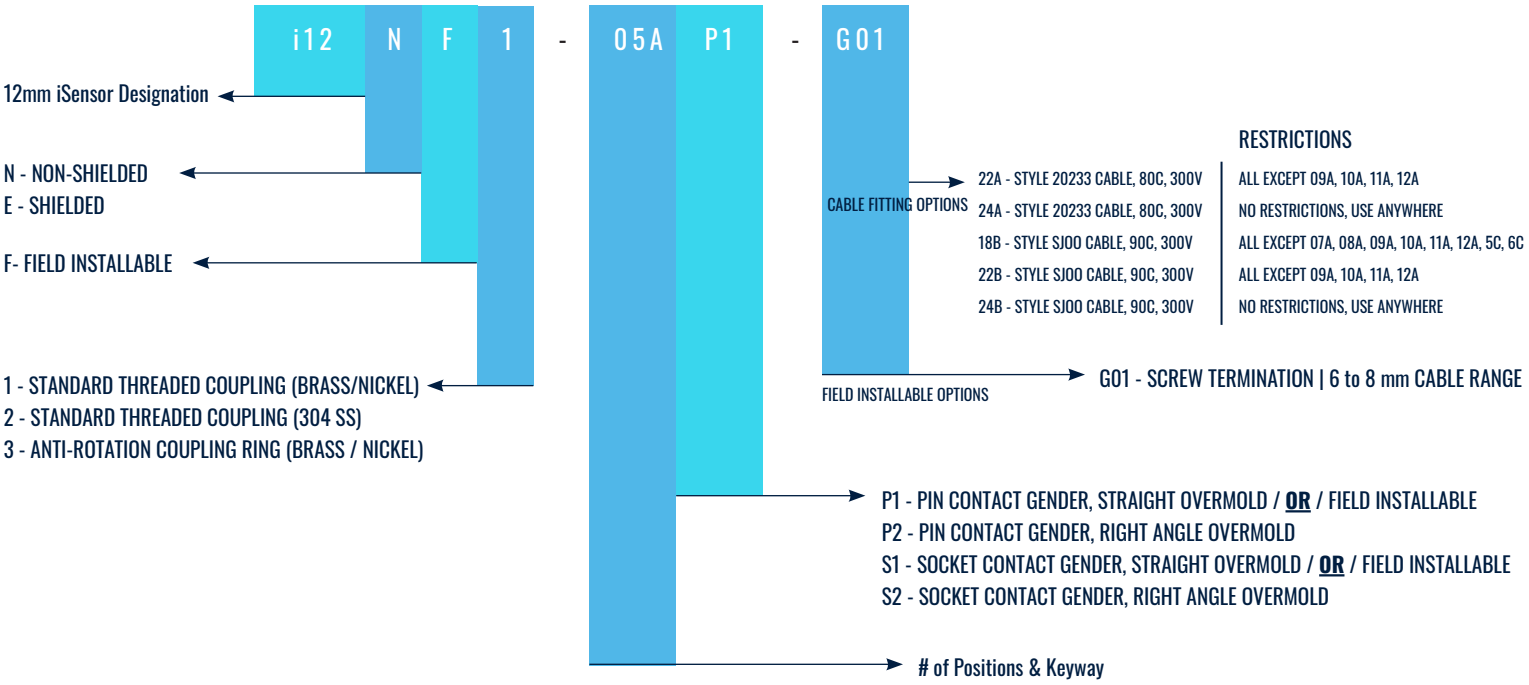
iSENSOR i12™ PART NUMBERING CODE LOGIC

CABLE FITTING NOMENCLATURE



iSENSOR i12™ PART NUMBER CODE LOGIC

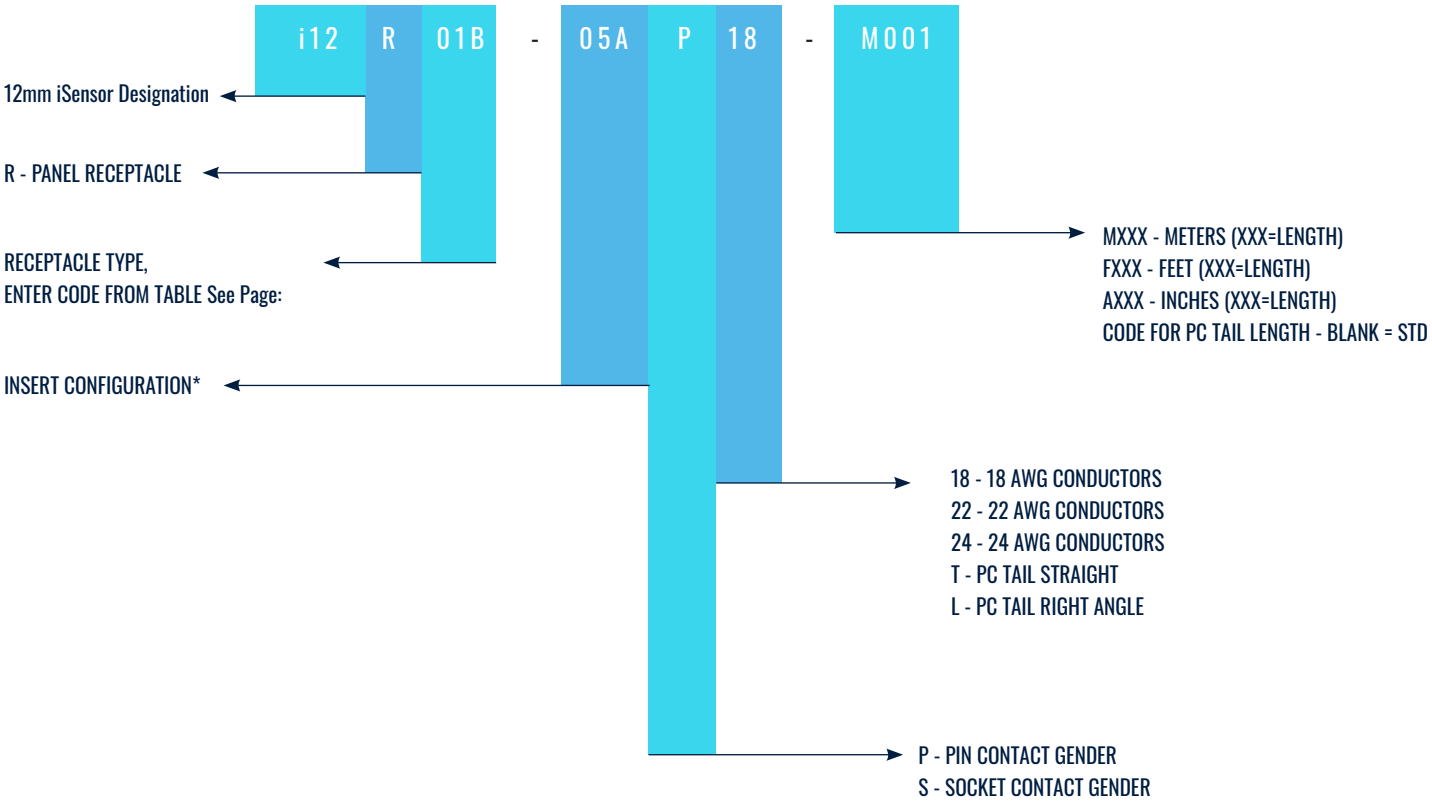
FIELD INSTALLABLE PLUG NOMENCLATURE



#CONT	CODE	CONTACT SIZE	WIRE SIZE OFFERED	AMPACITY (AMPS)
5	A	20	20, 22, 24	6.0
4	A	20	20, 22, 24	6.0 OR 1.8
3	A	20	20, 22, 24	7.5 OR 2.0
2	A	20	20, 22, 24	7.5
5	B	20	20, 22, 24	6.0
4	B	20	20, 22, 24	6.0 OR 1.8
3	B	20	20, 22, 24	7.5 OR 2.0
2	B	20	20, 22, 24	7.5
5	D	20	20, 22, 24	6.0
4	D	20	20, 22, 24	6.0 OR 1.8
3	D	20	20, 22, 24	7.5 OR 2.0
2	D	20	20, 22, 24	7.5
8	A	22	22	3.3
9	A	24	24	1.4
10	A	24	24	1.4
11	A	24	24	1.4
12	A	24	24	1.4
4 + G	C	22	22, 24	4.0
3 + G	C	20	20, 22, 24	7.5
2 + G	C	20	20, 22, 24	7.5
8	X	22	22, 24	5

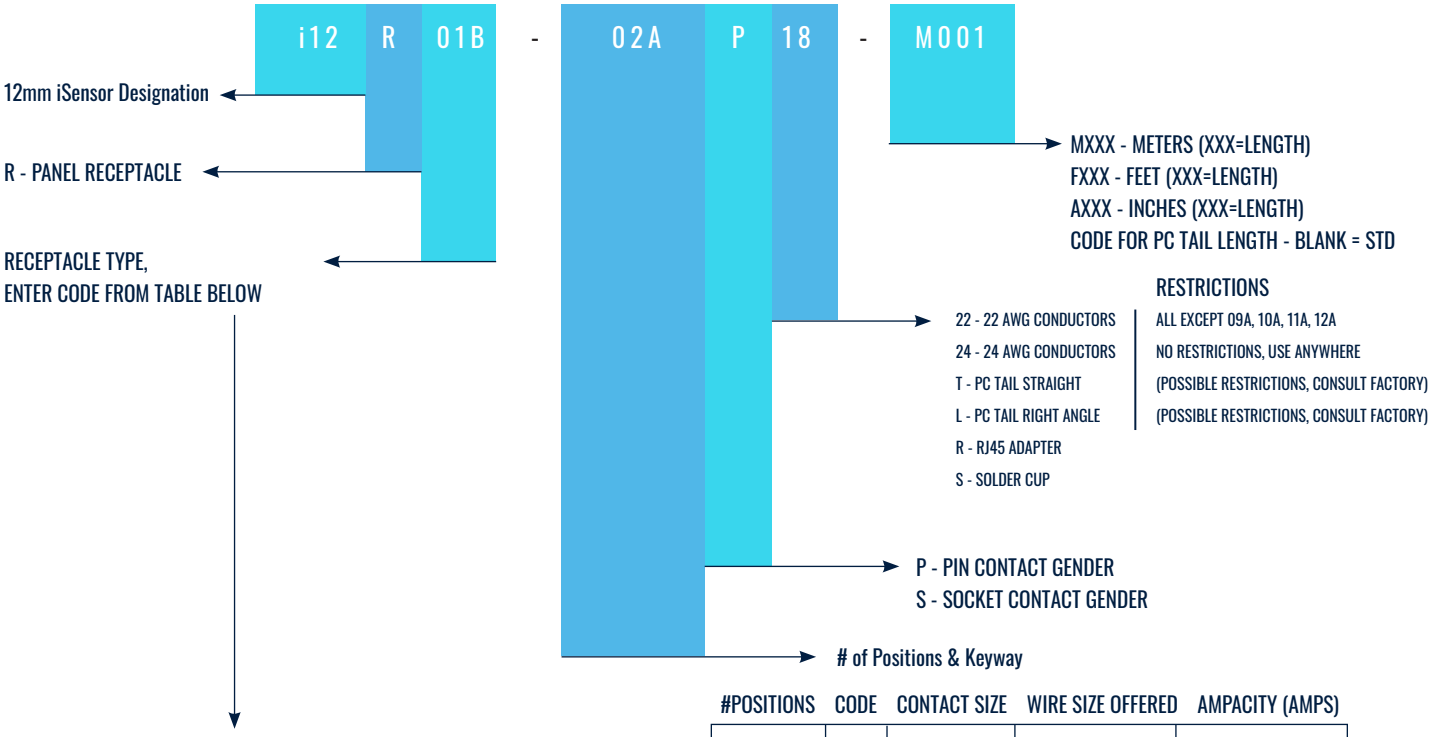
iSENSOR i12™ PART NUMBERING CODE LOGIC

PANEL RECEPTACLE NOMENCLATURE



iSENSOR i12™ PART NUMBER CODE LOGIC

FIELD INSTALLABLE RECEPTACLE NOMENCLATURE



			ENTER THIS CODE
BRASS	ICONN BACK PANEL MALE	DC	01B
BRASS	ICONN BACK PANEL FEMALE	DC	03B
BRASS	ICONN FRONT PANEL MALE	DC	05B
BRASS	ICONN FRONT PANEL FEMALE	DC	07B
BRASS	ICONN BACK PANEL MALE	AC	02B
BRASS	ICONN BACK PANEL FEMALE	AC	04B
BRASS	ICONN FRONT PANEL MALE	AC	06B
BRASS	ICONN FRONT PANEL FEMALE	AC	08B
STAINLESS	ICONN BACK PANEL MALE	DC	01S
STAINLESS	ICONN BACK PANEL FEMALE	DC	03S
STAINLESS	ICONN FRONT PANEL MALE	DC	05S
STAINLESS	ICONN FRONT PANEL FEMALE	DC	07S
STAINLESS	ICONN BACK PANEL MALE	AC	02S
STAINLESS	ICONN BACK PANEL FEMALE	AC	04S
STAINLESS	ICONN FRONT PANEL MALE	AC	06S
STAINLESS	ICONN FRONT PANEL FEMALE	AC	08S
PLASTIC	ICONN FRONT PANEL MALE	AC	08P

#POSITIONS	CODE	CONTACT SIZE	WIRE SIZE OFFERED	AMPACITY (AMPS)
5	A	20	20, 22, 24	6.0, 6.0, 1.8
4	A	20	20, 22, 24	6.0, 6.0, 1.8
3	A	20	20, 22, 24	7.5, 7.5, 2.0
2	A	20	20, 22, 24	7.5, 7.5, 2.0
5	B	20	20, 22, 24	6.0, 6.0, 1.8
4	B	20	20, 22, 24	6.0, 6.0, 1.8
3	B	20	20, 22, 24	7.5, 7.5, 2.0
2	B	20	20, 22, 24	7.5, 7.5, 2.0
5	D	20	20, 22, 24	6.0, 6.0, 1.8
4	D	20	20, 22, 24	6.0, 6.0, 1.8
3	D	20	20, 22, 24	7.5, 7.5, 2.0
2	D	20	20, 22, 24	7.5, 7.5, 2.0
8	A	22	22, 24	3.3
9	A	24	24	1.4
10	A	24	24	1.4
11	A	24	24	1.4
12	A	24	24	1.4
4 + G	C	22	22	4.0
3 + G	C	20	18, 20, 22	7.5, 7.5, 2.0
2 + G	C	20	18, 20, 22	7.5, 7.5, 2.0
8	X	22	22	5

iSENSOR iMINI™ SERIES

MATERIALS

Contact Carrier ..... Rigid PVC

Coupling Nut ..... Nickel Plated Brass or Stainless Steel

Panel Mount Housing ..... Nickel Plated Brass or Stainless Steel

Jam Nut ..... Nickel Plated Brass or Stainless Steel

Mounting Gasket/O-Ring .....Buna

Contacts .....Cu Alloy, Gold over Nickel Plating

Plug O-Ring: ..... Silicone

Overmold ..... Material will vary depending on cable selection

DIMENSIONS:

Receptacle Mounting ..... A-1" HEX, B-$1^{1/8}$, HEX, C-$1^{1/8}$ SQ

Basic Plug OD ..... A-1" , B-$1^{1/4}$, C-$1^{1/4}$

In-Line Receptacle Thread.....A-$^{1/2}$" NPT, B-$^{1/2}$ NPT, C-$^{3/4}$ NPT

Overmold Length w Strain Relief.....A-1.14", B- 2", C-2"

Max Cable Diameter..... A-.27", B- .44", C-.52")

Contact Sizes Available ..... 14 AWG

Performance:

Ingress Protection .....IP 67, IP 68

Max Continuous Temperature:
Overmold material and wire/cable selection will influence the overall max temperature rating of assembly

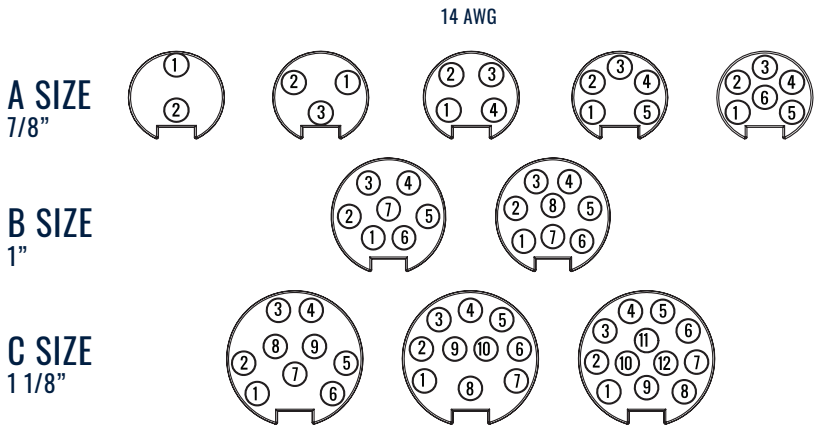
STRAIGHT OR RIGHT ANGLE OVERMOLDED PLUGS

**Configurations are all female face views*

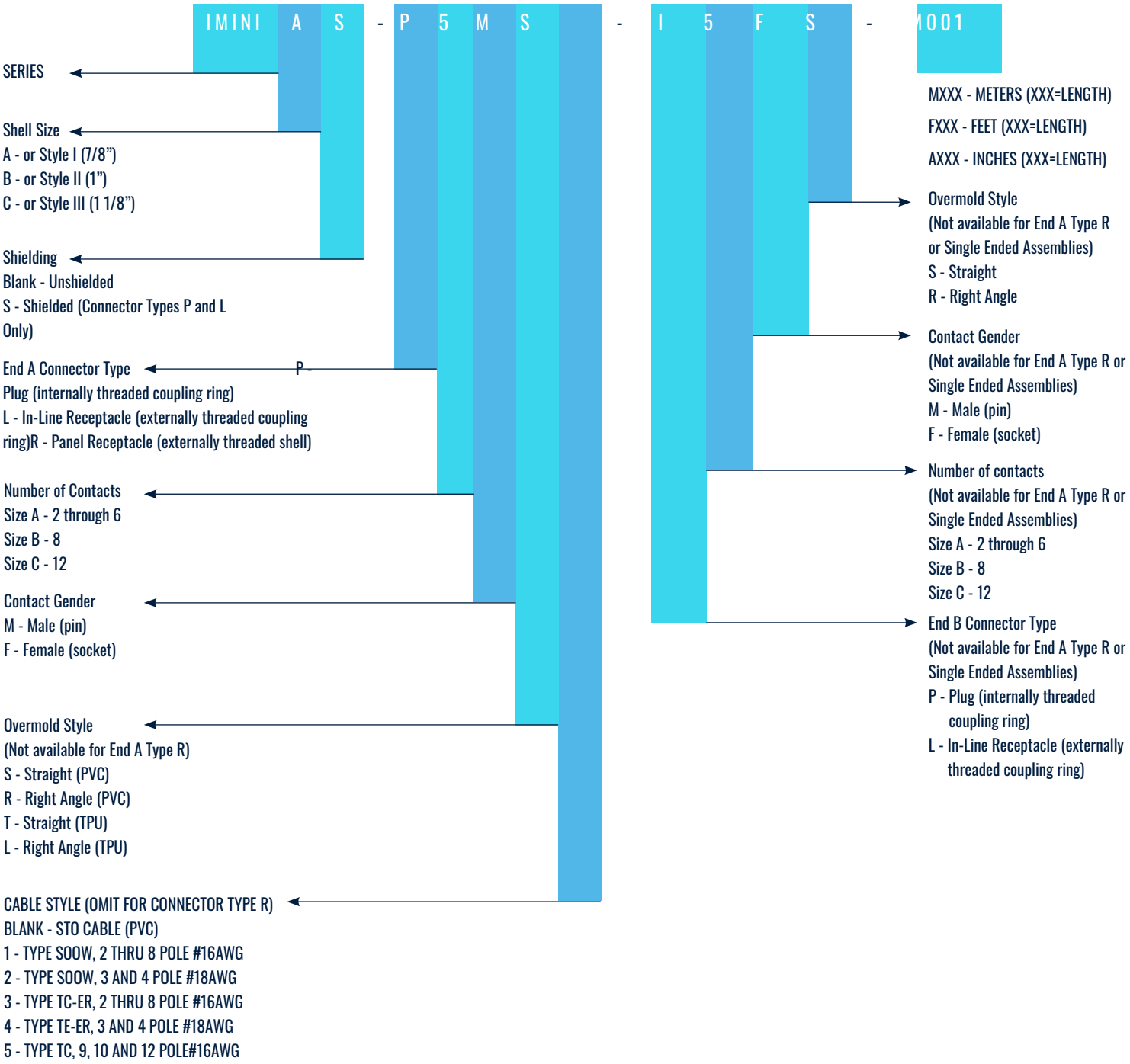
PANEL MOUNT RECEPTACLES

FRONT MOUNT

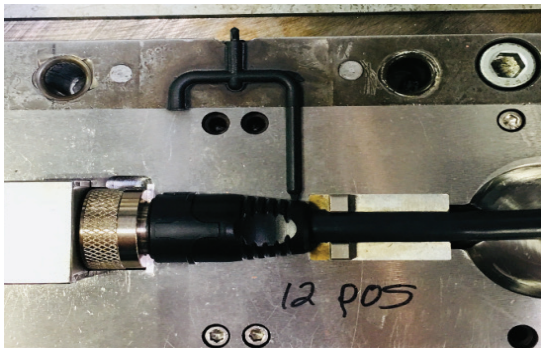
**Configurations are all female face views*



iMINI™ PART NUMBERING CODE LOGIC



ADDITIONAL OFFERINGS



LOW-PRESSURE OVERMOLDING

Low-pressure molding protects electronic components from moisture, dust, dirt and vibration while sealing connectors and molding grommets/strain reliefs. iCONN utilizes low-pressure molding to encapsulate sensitive components and circuitry.

3D PRINTING AND RAPID PROTOTYPING

Using in-house 3D printing allows iCONN to rapid prototype our customer's concepts just hours after an initial design has been developed. While rapid prototyping provides our customers with a tangible and functional prototype, it saves the expense of non-re-curring engineering (NRE) and tooling until concepts are proven.

COLORED PLASTIC

Our ability to run plastic in a multitude of colors aids our customers in maintaining their branding across all products, as well as aiding installation through differentiation. Colored plastic is a cost-effective method of setting your product apart in the marketplace.

STOCKING PROGRAMS

Our customized inventory stocking programs let us provide our customers with their products when they need it with little to no lead time. iCONN offers same-day shipping on products and utilizes the Kanban manufacturing method for inventory scheduling to keep up with product demands and reduce cycle time.

iMATE™ CONFIGURATION TABLE

CABLE FITTING NOMENCLATURE

iMate SIZE	INSERT ARRANGEMENT	# CONT	CONTACT GENDER	CONTACT SIZE	ENTER THIS CODE
17	311X17-C02B4-1	2	PIN	20	C02P1
17	310X17-C02B4-1	2	SOCKET	20	C02S1
17	311X17-C03B4-1	3	PIN	20	C03P1
17	310X17-C03B4-1	3	SOCKET	20	C03S1
17	310X17-DO7B4-1	7	SOCKET	22	D07S1
23	311X23-B02B4-1	2	PIN	16	B02P1
23	310X23-B02B4-1	2	SOCKET	16	B02S1
23	311X23-B03B4-1	3	PIN	16	B03P1
23	310X23-B03B4-1	3	SOCKET	16	B03S1
23	311X23-B04B4-1	4	PIN	16	B04P1
23	310X23-B04B4-1	4	SOCKET	16	B04S1
23	311X23-B05B4-1	5	PIN	16	B05P1
23	310X23-B05B4-1	5	SOCKET	16	B05S1
23	311X23-C02B4-1	2	PIN	20	C02P1
23	310X23-C02B4-1	2	SOCKET	20	C02S1
23	311X23-C03B4-1	3	PIN	20	C03P1
23	310X23-C03B4-1	3	SOCKET	20	C03S1
23	311X23-C04B4-1	4	PIN	20	C04P1
23	310X23-C04B4-1	4	SOCKET	20	C04S1
23	311X23-C05B4-1	5	PIN	20	C05P1
23	310X23-C05B4-1	5	SOCKET	20	C05S1
23	311X23-C06B4-1	6	PIN	20	C06P1
23	310X23-C06B4-1	6	SOCKET	20	C06S1
23	311X23-C07B4-1	7	PIN	20	C07P1
23	310X23-C07B4-1	7	SOCKET	20	C07S1
23	311X23-C08B4-1	8	PIN	20	C08P1
23	310X23-C08B4-1	8	SOCKET	20	C08S1

iMATE™ CONFIGURATION TABLE

iMate SIZE	INSERT ARRANGEMENT	# CONT	CONTACT GENDER	CONTACT SIZE	ENTER THIS CODE
23	311X23-D09B4-1	9	PIN	22	D09P1
23	310X23-D09B4-1	9	SOCKET	22	D09S1
23	311X23-D10B4-1	10	PIN	22	D10P1
23	310X23-D10B4-1	10	SOCKET	22	D10S1
23	311X23-D11B4-1	11	PIN	22	D11P1
23	310X23-D11B4-1	11	SOCKET	22	D11S1
23	311X23-D12B4-1	12	PIN	22	D12P1
23	310X23-D12B4-1	12	SOCKET	22	D12S1
28	311X28-A02B4-1	2	PIN	12	A02P1
28	310X28-A02B4-1	2	SOCKET	12	A02S1
28	311X28-A03B4-1	3	PIN	12	A03P1
28	310X28-A03B4-1	3	SOCKET	12	A03S1
28	311X28-A04B4-1	4	PIN	12	A04P1
28	310X28-A04B4-1	4	SOCKET	12	A04S1
28	311X28-B02B4-1	2	PIN	16	B02P1
28	310X28-B02B4-1	2	SOCKET	16	B02S1
28	311X28-B03B4-1	3	PIN	16	B03P1
28	310X28-B03B4-1	3	SOCKET	16	B03S1
28	311X28-B04B4-1	4	PIN	16	B04P1
28	310X28-B04B4-1	4	SOCKET	16	B04S1
28	311X28-B05B4-1	5	PIN	16	B05P1
28	310X28-B05B4-1	5	SOCKET	16	B05S1
28	311X28-B06B4-1	6	PIN	16	B06P1
28	310X28-B06B4-1	6	SOCKET	16	B06S1
28	311X28-C04B4-1	4	PIN	20	C04P1
28	310X28-C04B4-1	4	SOCKET	20	C04S1
28	311X28-C05B4-1	5	PIN	20	C05P1

iMATE™ CONFIGURATION TABLE

iMate SIZE	INSERT ARRANGEMENT	# CONT	CONTACT GENDER	CONTACT SIZE	ENTER THIS CODE
28	310X28-C05B4-1	5	SOCKET	20	C05S1
28	311X28-C06B4-1	6	PIN	20	C06P1
28	310X28-C06B4-1	6	SOCKET	20	C06S1
28	311X28-C07B4-1	7	PIN	20	C07P1
28	310X28-C07B4-1	7	SOCKET	20	C07S1
28	311X28-C08B4-1	8	PIN	20	C08P1
28	310X28-C08B4-1	8	SOCKET	20	C08S1
28	311X28-C09B4-1	9	PIN	20	C09P1
28	310X28-C09B4-1	9	SOCKET	20	C09S1
28	311X28-C10B4-1	10	PIN	20	C10P1
28	310X28-C10B4-1	10	SOCKET	20	C10S1
28	311X28-C12B4-1	12	PIN	20	C12P1
28	310X28-C12B4-1	12	SOCKET	20	C12S1
28	311X28-C14B4-1	14	PIN	20	C14P1
28	310X28-C14B4-1	14	SOCKET	20	C14S1
36	311X36-A07B4-1	7	PIN	12	A12P1
36	310X36-A07B4-1	7	SOCKET	12	A12S1
36	311X36-B10B4-1	10	PIN	16	B10P1
36	310X36-B10B4-1	10	SOCKET	16	B10S1
36	311X36-B12B4-1	12	PIN	16	B12P1
36	310X36-B12B4-1	12	SOCKET	16	B12S1
36	311X36-C18B4-1	18	PIN	20	C18P1
36	310X36-C18B4-1	18	SOCKET	20	C18S1
36	311X36-C20B4-1	20	PIN	20	C20P1
36	310X36-C20B4-1	20	SOCKET	20	C20S1

iMATE™ CONFIGURATION TABLE

FIELD ATTACHABLE NOMENCLATURE

iMate SIZE	INSERT ARRANGEMENT	# CONT	CONTACT GENDER	CONTACT SIZE	ENTER THIS CODE
23	311X23-B02B4-1	2	PIN	16	B02P1
23	310X23-B02B4-1	2	SOCKET	16	B02S1
23	311X23-B03B4-1	3	PIN	16	B03P1
23	310X23-B03B4-1	3	SOCKET	16	B03S1
23	311X23-B04B4-1	4	PIN	16	B04P1
23	310X23-B04B4-1	4	SOCKET	16	B04S1
23	311X23-B05B4-1	5	PIN	16	B05P1
23	310X23-B05B4-1	5	SOCKET	16	B05S1
23	311X23-C02B4-1	2	PIN	20	C02P1
23	310X23-C02B4-1	2	SOCKET	20	C02S1
23	311X23-C03B4-1	3	PIN	20	C03P1
23	310X23-C03B4-1	3	SOCKET	20	C03S1
23	311X23-C04B4-1	4	PIN	20	C04P1
23	310X23-C04B4-1	4	SOCKET	20	C04S1
23	311X23-C05B4-1	5	PIN	20	C05P1
23	310X23-C05B4-1	5	SOCKET	20	C05S1
23	311X23-C06B4-1	6	PIN	20	C06P1
23	310X23-C06B4-1	6	SOCKET	20	C06S1
23	311X23-C07B4-1	7	PIN	20	C07P1
23	310X23-C07B4-1	7	SOCKET	20	C07S1
23	311X23-C08B4-1	8	PIN	20	C08P1
23	310X23-C08B4-1	8	SOCKET	20	C08S1
23	311X23-D09B4-1	9	PIN	22	D09P1
23	310X23-D09B4-1	9	SOCKET	22	D09S1
23	311X23-D10B4-1	10	PIN	22	D10P1
23	310X23-D10B4-1	10	SOCKET	22	D10S1
23	311X23-D11B4-1	11	PIN	22	D11P1
23	310X23-D11B4-1	11	SOCKET	22	D11S1

iMATE™ CONFIGURATION TABLE

FIELD ATTACHABLE NOMENCLATURE

iMate SIZE	INSERT ARRANGEMENT	# CONT	CONTACT GENDER	CONTACT SIZE	ENTER THIS CODE
23	311X23-D12B4-1	12	PIN	22	D12P1
23	310X23-D12B4-1	12	SOCKET	22	D12S1
28	311X28-A02B4-1	2	PIN	12	A02P1
28	310X28-A02B4-1	2	SOCKET	12	A02S1
28	311X28-A03B4-1	3	PIN	12	A03P1
28	310X28-A03B4-1	3	SOCKET	12	A03S1
28	311X28-A04B4-1	4	PIN	12	A04P1
28	310X28-A04B4-1	4	SOCKET	12	A04S1
28	311X28-B02B4-1	2	PIN	16	B02P1
28	310X28-B02B4-1	2	SOCKET	16	B02S1
28	311X28-B03B4-1	3	PIN	16	B03P1
28	310X28-B03B4-1	3	SOCKET	16	B03S1
28	311X28-B04B4-1	4	PIN	16	B04P1
28	310X28-B04B4-1	4	SOCKET	16	B04S1
28	311X28-B05B4-1	5	PIN	16	B05P1
28	310X28-B05B4-1	5	SOCKET	16	B05S1
28	311X28-B06B4-1	6	PIN	16	B06P1
28	310X28-B06B4-1	6	SOCKET	16	B06S1
28	311X28-C04B4-1	4	PIN	20	C04P1
28	310X28-C04B4-1	4	SOCKET	20	C04S1
28	311X28-C05B4-1	5	PIN	20	C05P1
28	310X28-C05B4-1	5	SOCKET	20	C05S1
28	311X28-C06B4-1	6	PIN	20	C06P1
28	310X28-C06B4-1	6	SOCKET	20	C06S1
28	311X28-C07B4-1	7	PIN	20	C07P1
28	310X28-C07B4-1	7	SOCKET	20	C07S1
28	311X28-C08B4-1	8	PIN	20	C08P1

iMATE™ CONFIGURATION TABLE

FIELD ATTACHABLE NOMENCLATURE

iMate SIZE	INSERT ARRANGEMENT	# CONT	CONTACT GENDER	CONTACT SIZE	ENTER THIS CODE
28	310X28-C08B4-1	8	SOCKET	20	C08S1
28	311X28-C09B4-1	9	PIN	20	C09P1
28	310X28-C09B4-1	9	SOCKET	20	C09S1
28	311X28-C10B4-1	10	PIN	20	C10P1
28	310X28-C10B4-1	10	SOCKET	20	C10S1
28	311X28-C12B4-1	12	PIN	20	C12P1
28	310X28-C12B4-1	12	SOCKET	20	C12S1
28	311X28-C14B4-1	14	PIN	20	C14P1
28	310X28-C14B4-1	14	SOCKET	20	C14S1
36	311X36-A07B4-1	7	PIN	12	A12P1
36	310X36-A07B4-1	7	SOCKET	12	A12S1
36	311X36-B10B4-1	10	PIN	16	B10P1
36	310X36-B10B4-1	10	SOCKET	16	B10S1
36	311X36-B12B4-1	12	PIN	16	B12P1
36	310X36-B12B4-1	12	SOCKET	16	B12S1
36	311X36-C18B4-1	18	PIN	20	C18P1
36	310X36-C18B4-1	18	SOCKET	20	C18S1
36	311X36-C20B4-1	20	PIN	20	C20P1
36	310X36-C20B4-1	20	SOCKET	20	C20S1

i12™ CONFIGURATION TABLE

CABLE AND RECEPTACLE NOMENCLATURE

iSENSOR SIZE	INSERT ARRANGEMENT	# CONT	SKT INSERT STYLE	CODE	CONTACT SIZE	WIRE SIZE OFFERED	AMP ACITY (AMPS)	ENTER THIS CODE
12	12-C05B2-1	5	ALL POSITIONS USED	A	20	18	6.0	05A
12	12-C04B2-1	4	SKT INSERTS HAVE MOLDED CLOSED CAVITIES BUT ACCEPT 5 POLE PIN INSERTS	A	20	18 OR 24	6.0 OR 1.8	04A
12	12-C03B2-1	3		A	20	18 OR 24	7.5 OR 2.0	03A
12	12-C02B2-1	2		A	20	18	7.5	02A
12	12-C05B2-2	5	ALL POSITIONS USED	B	20	18	6.0	05B
12	12-C04B2-2	4	SKT INSERTS HAVE MOLDED CLOSED CAVITIES BUT ACCEPT 5 POLE PIN INSERTS	B	20	18 OR 24	6.0 OR 1.8	04B
12	12-C03B2-2	3		B	20	18 OR 24	7.5 OR 2.0	03B
12	12-C02B2-2	2		B	20	18	7.5	02B
12	12-C05B2-3	5	ALL POSITIONS USED	D	20	18	6.0	05D
12	12-C04B2-3	4	SKT INSERTS HAVE MOLDED CLOSED CAVITIES BUT ACCEPT 5 POLE PIN INSERTS	D	20	18 OR 24	6.0 OR 1.8	04D
12	12-C03B2-3	3		D	20	18 OR 24	7.5 OR 2.0	03D
12	12-C02B2-3	2		D	20	18	7.5	02D
12	12-D08B2-1	8	ALL POSITIONS USED	A	22	22	3.3	08A
12	12-G09B2-1	9	ALL POSITIONS USED	A	24	24	1.4	09A
12	12-G10B2-1	10	ALL POSITIONS USED	A	24	24	1.4	10A
12	12-G11B2-1	11	ALL POSITIONS USED	A	24	24	1.4	11A
12	12-G12B2-1	12	ALL POSITIONS USED	A	24	24	1.4	12A
12	12-D05BX-X	4+G	ALL POSITIONS USED	C	22	18	4.0	05C
12	12-C04BX-X	3+G	ALL POSITIONS USED	C	20	18	7.5	04C
12	12-C03BX-X	2+G	ALL POSITIONS USED	C	20	18	7.5	03C

i12™ CONFIGURATION TABLE

PANEL RECEPTACLE NOMENCLATURE

iSENSOR SIZE	INSERT ARRANGEMENT	# CONT	SKT INSERT STYLE	CODE	CONTACT SIZE	WIRE SIZE OFFERED	AMP ACITY (AMPS)	ENTER THIS CODE
12	12-C05B2-1	5	ALL POSITIONS USED	A	20	18, 20, 22	6.0, 6.0, 1.8	05A
12	12-C04B2-1	4	SKT INSERTS HAVE MOLDED CLOSED CAVITIES BUT ACCEPT 5 POLE PIN INSERTS	A	20	18, 20, 22	6.0, 6.0, 1.8	04A
12	12-C03B2-1	3		A	20	18, 20, 22	7.5, 7.5, 2.0	03A
12	12-C02B2-1	2		A	20	18, 20, 22	7.5, 7.5, 2.0	02A
12	12-C05B2-2	5	ALL POSITIONS USED	B	20	18, 20, 22	6.0, 6.0, 1.8	05B
12	12-C04B2-2	4	SKT INSERTS HAVE MOLDED CLOSED CAVITIES BUT ACCEPT 5 POLE PIN INSERTS	B	20	18, 20, 22	6.0, 6.0, 1.8	04B
12	12-C03B2-2	3		B	20	18, 20, 22	7.5, 7.5, 2.0	03B
12	12-C02B2-2	2		B	20	18, 20, 22	7.5, 7.5, 2.0	02B
12	12-C05B2-3	5	ALL POSITIONS USED	D	20	18, 20, 22	6.0, 6.0, 1.8	05D
12	12-C04B2-3	4	SKT INSERTS HAVE MOLDED CLOSED CAVITIES BUT ACCEPT 5 POLE PIN INSERTS	D	20	18, 20, 22	6.0, 6.0, 1.8	04D
12	12-C03B2-3	3		D	20	18, 20, 22	7.5, 7.5, 2.0	03D
12	12-C02B2-3	2		D	20	18, 20, 22	7.5, 7.5, 2.0	02D
12	12-D08B2-1	8	ALL POSITIONS USED	A	22	22	3.3	08A
12	12-G09B2-1	9	ALL POSITIONS USED	A	24	24	1.4	09A
12	12-G10B2-1	10	ALL POSITIONS USED	A	24	24	1.4	10A
12	12-G11B2-1	11	ALL POSITIONS USED	A	24	24	1.4	11A
12	12-G12B2-1	12	ALL POSITIONS USED	A	24	24	1.4	12A
12	12-D05BX-X	4+G	ALL POSITIONS USED	C	22	22	4.0	05C
12	12-C04BX-X	3+G	ALL POSITIONS USED	C	20	18, 20, 22	7.5, 7.5, 2.0	04C
12	12-C03BX-X	2+g	ALL POSITIONS USED	C	20	18, 20, 22	7.5, 7.5, 2.0	03C