

Receptacle Catalog Number Matrix

Use these Catalog Number Matrices to generate a custom or existing part number. From each grouping of specifications choose the corresponding code to create a single 13 character alpha/numeric part number for ordering. Below is an example of a properly constructed Receptacle part number and how it translates to an actual part.

3R2004A20A1201

12 Pole Female Straight Receptacle with 12" leads, 16 AWG, PVC, U.S. Color Code, Optional Stainless Steel Shell

3 R 2 0 0 4 A 2 0 A 1 2 0 1

PRODUCT FAMILY (2 characters) 1 st Character 1 2 to 6 Pole (A-size) 2 6 to 8 Pole (B-size) 3 9, 10, 12 Pole (C-size) 2 nd Character R Receptacle	NUMBER OF POLES X X Pole: 2 to 9 Pole 1 10 Pole C-size only 2 12 Pole C-size only	RECEPTACLE TYPE 004 Female Straight, ½" - 14NPT Mounting Thread 005 Female 90°, ½" - 14NPT Mounting Thread 2-6 Pole A-size only 006 Male Straight, ½" - 14NPT Mounting Thread 007 Male 90°, ½" - 14NPT Mounting Thread 2-6 Pole A-size only D04 Female Straight, PG13.5 Mounting Thread, 3-5 Pole only D06 Male Straight, PG13.5 Mounting Thread, 3-5 Pole only G04 Female Straight Flange Mount 2-6 Pole A-size only G06 Male Straight Flange Mount 2-6 Pole A-size only	WIRE TYPE A16 18 AWG PVC UL 1015 IEC DC Color Code 3P & 4P A17 18 AWG PVC UL 1061 AUTO Color Code 3P-5P A20 16 AWG PVC UL 1015 U.S. Color Code 2P-12P A24 16 AWG PVC UL 1015 AUTO Color Code 3P & 5P A25 18 AWG PVC UL 1015 IEC AC Color Code 3P & 5P	UNIT OF MEASURE A Inches F Feet Note: use feet for length greater than 1 foot	LENGTH 1st Digit 10 X Length 2nd Digit 1 X Length 3rd Digit .1 X Length	OPTIONAL SHELL MATERIAL (For receptacle type 004 and 006 only) Blank Zinc Diecast, epoxy coat 1 Stainless Steel, Type 303 2 Non-Metallic Nylon 6/6 (2P - 6P, A-size only)



Single-Ended Cordsets

#16 AWG yellow ST00W cable – U.S. color code

Oil-resistant PVC jacket

Low-resistance contact design with gold/palladium nickel plating

	2P	3P	4P	5P	6P
FEMALE FACE VIEW					
COLOR CODE	1- white 2- black	1- green-gnd 2- black 3- white	1- black 3- red 2- white 4- green-gnd	1- white 4- orange 2- red 5- black 3- green-gnd	1- white 4- orange 2- red 5- black 3- green-gnd 6- blue
VOLTAGE	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
CURRENT	13A	13A	10A	8A	8A
CONDUCTOR	#16-2	#16-3	#16-4	#16-5	#16-6

FEMALE	FIG	SINGLE-ENDED CORDSETS WITH #16 AWG ST00W CABLE 3 FEET LONG				
STRAIGHT	1	102000A01F030	103000A01F030	104000A01F030	105000A01F030	106000A01F030
90°	2	102001A01F030	103001A01F030	104001A01F030	105001A01F030	106001A01F030
MATING RECEPTACLE*	5	1R2006A20A120	1R3006A20A120	1R4006A20A120	1R5006A20A120	1R6006A20A130
MALE	FIG	SINGLE-ENDED CORDSETS WITH #16 AWG ST00W CABLE 3 FEET LONG				
STRAIGHT	3	102002A01F030	103002A01F030	104002A01F030	105002A01F030	106002A01F030
90°	4	102003A01F030	103003A01F030	104003A01F030	105003A01F030	106003A01F030
MATING RECEPTACLE*	5	1R2004A20A120	1R3004A20A120	1R4004A20A120	1R5004A20A120	1R6004A20A120

CATALOG OPTIONS

*See Page 46 for additional Mating Receptacles

Use the following chart to modify your part's specifications

102000A01F0301

CABLE LENGTH

6'	060
12'	120
15'	150
20'	200
25'	250
30'	300

COUPLING NUT

STAINLESS STEEL	ADD 1
NON-METALLIC	ADD 2

Specifications

CONNECTOR DIMENSIONS

FEMALE STRAIGHT

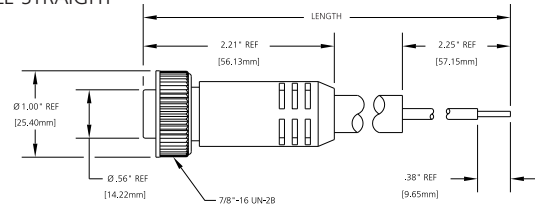


FIG 1

FEMALE 90°

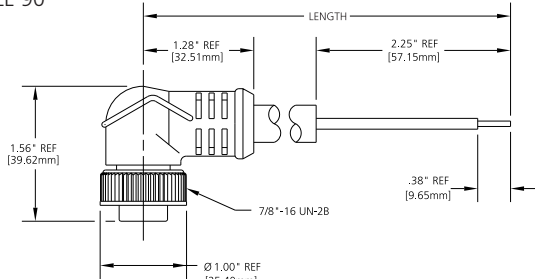
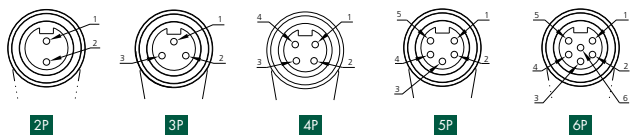


FIG 2

FEMALE CONNECTORS - FACE VIEWS



MALE STRAIGHT

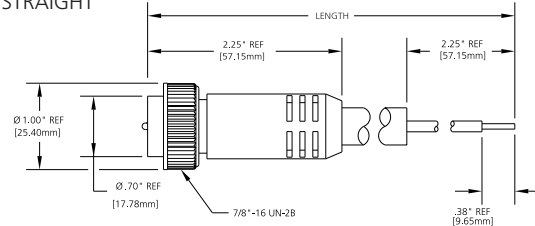


FIG 3

MALE 90°

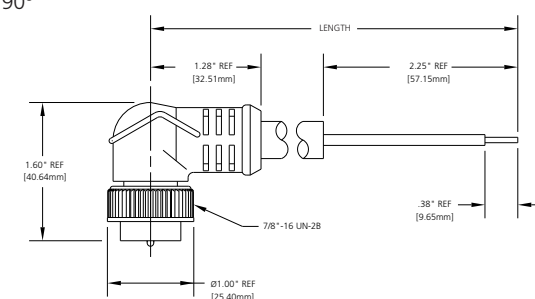
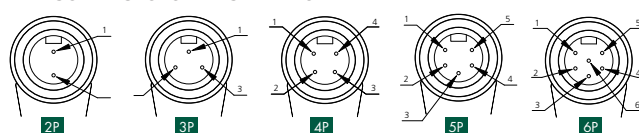


FIG 4

MALE CONNECTORS - FACE VIEWS



MECHANICAL

CONNECTOR FACE: PVC - UL STD 94 - V0
 MOLDED BODY: PVC - UL STD 94 - V0
 COUPLING NUT: ZINC DIECAST W/ BLACK EPOXY E-COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC GRAY NYLON 6/6

CABLE: YELLOW, #16 AWG, PVC JACKET, PVC CONDUCTOR INSULATION OVER 65 X #34 COPPER STRANDING, UL ST00W CSA ST

CABLE DIAMETER:
 2P - .37" (9.4mm)
 3P - .41" (10.4mm)
 4P - .42" (10.7mm)
 5P - .50" (12.7mm)
 6P - .54" (13.7mm)

ELECTRICAL

VOLTAGE RATING: 600V AC/DC
 AMPERAGE:
 2P - 13A
 3P - 13A
 4P - 10A
 5P - 8A
 6P - 8A

ENVIRONMENTAL

PROTECTION: IP 68 NEMA 6P
 AMBIENT OPERATING TEMP: -4° TO 221° F (-20° TO 105° C)

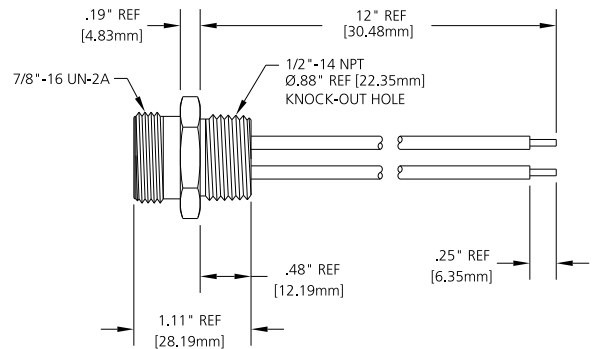
CERTIFICATIONS

UL: UL RECOGNIZED, FILE NO. E46237
 CSA: CSA CERTIFIED, FILE NO. LR6837

RECEPTACLE DIMENSIONS

MALE RECEPTACLE WITH 1/2" - 14NPT THREADS FEMALE STRAIGHT WITH 1/2" - 14NPT THREADS

SEE PAGE 46 FOR ADDITIONAL RECEPTACLES



TYPICAL FACE VIEW

TYPICAL KNOCK OUT

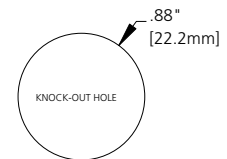
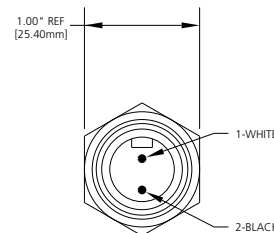
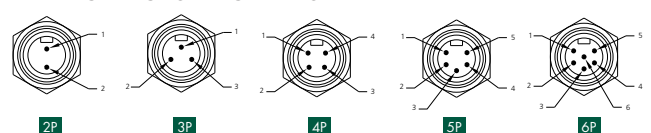


FIG 5

MALE RECEPTACLES - FACE VIEWS





Double-Ended Cordsets

#16 AWG yellow ST00W cable – U.S. color code

Oil-resistant PVC jacket

Low-resistance contact design with gold/palladium nickel plating

	2P	3P	4P	5P	6P
FEMALE FACE VIEW					
COLOR CODE	1- white 2- black	1- green-gnd 2- black 3- white	1- black 2- white 3- red 4- green-gnd	1- white 2- red 3- green-gnd 4- orange 5- black	1- white 2- red 3- green-gnd 4- orange 5- black 6- blue
VOLTAGE	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
CURRENT	13A	13A	10A	8A	8A
CONDUCTOR	#16-2	#16-3	#16-4	#16-5	#16-6

FEMALE/MALE	FIG	DOUBLE-ENDED CORDSETS WITH #16 AWG ST00W CABLE 3 FEET LONG				
STRAIGHT/STRAIGHT	1	112020A01F030	113020A01F030	114020A01F030	115020A01F030	116020A01F030
90°/STRAIGHT	2	112021A01F030	113021A01F030	114021A01F030	115021A01F030	116021A01F030
STRAIGHT/90°	3	112022A01F030	113022A01F030	114022A01F030	115022A01F030	116022A01F030
90°/90°	4	112023A01F030	113023A01F030	114023A01F030	115023A01F030	116023A01F030

CATALOG OPTIONS

Use the following chart to modify your part's specifications

112020A01F0301

CABLE LENGTH

6'	060
12'	120
15'	150
20'	200
25'	250
30'	300

COUPLING NUT

STAINLESS STEEL	...ADD 1
NON-METALLIC	...ADD 2

Specifications



- MECHANICAL**
 CONNECTOR FACE: PVC - UL STD 94 - V0
 MOLDED BODY: PVC - UL STD 94 - V0
 COUPLING NUT: ZINC DIECAST W/ BLACK EPOXY-COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC GRAY NYLON 6/6
- CABLE:** YELLOW, PVC JACKET W/ PVC CONDUCTOR INSULATION, #16 AWG, 65 X #34 STRANDING, UL TYPE ST00W CSA ST
- OUTSIDE DIAMETER:**
 2P - .37" (9.4mm)
 3P - .41" (10.4mm)
 4P - .42" (10.7mm)
 5P - .50" (12.7mm)
 6P - .54" (13.7mm)
- ELECTRICAL**
VOLTAGE RATING: 600V AC/DC
AMPERAGE:
 2P - 13A
 3P - 13A
 4P - 10A
 5P - 8A
 6P - 8A
- ENVIRONMENTAL**
PROTECTION: IP 68, NEMA 6P
AMBIENT OPERATING TEMP: -4° TO 221° F (-20° TO 105° C)
- CERTIFICATIONS**
 UL: UL RECOGNIZED, FILE NO. E46237
 CSA: CSA CERTIFIED, FILE NO. LR6837

CONNECTOR DIMENSIONS

FEMALE STRAIGHT/MALE STRAIGHT

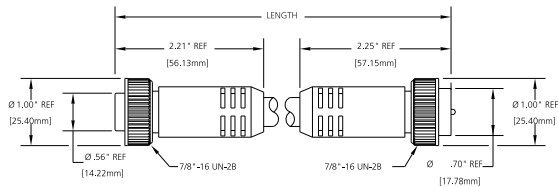


FIG 1

FEMALE 90°/MALE STRAIGHT

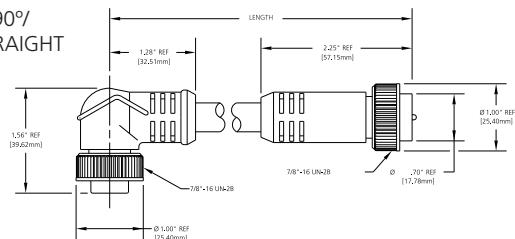


FIG 2

FEMALE STRAIGHT/MALE 90°

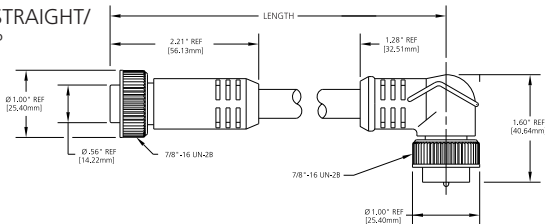


FIG 3

FEMALE 90°/MALE 90°

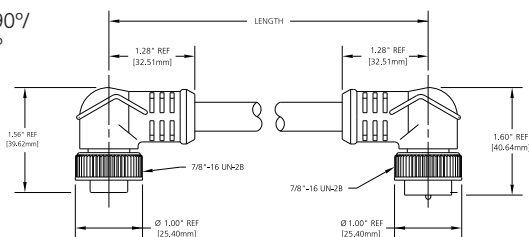
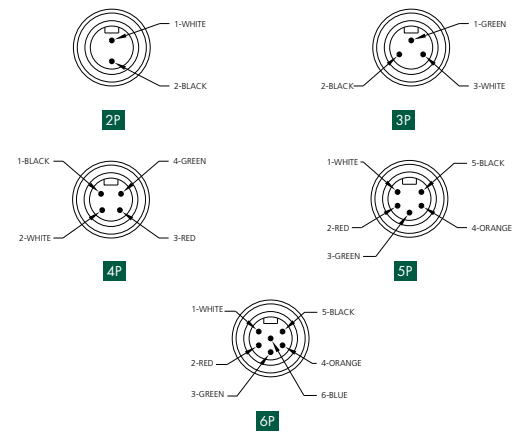
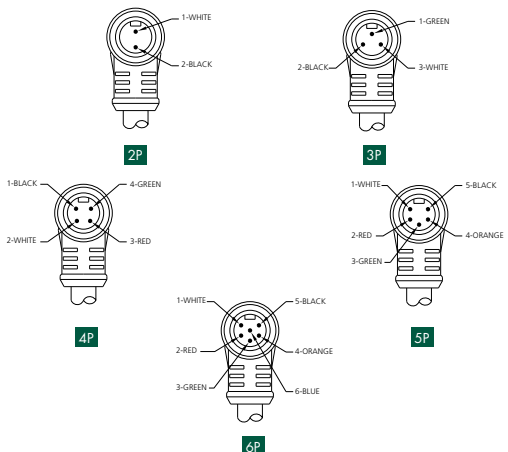


FIG 4

MALE FACE VIEW



MALE FACE VIEW





Receptacles

#16 AWG PVC 12-inch leads – U.S. color code, epoxy potted
 Straight, 90° and flange mount in male and female versions
 Low-resistance contact design with gold/palladium nickel plating

	2P	3P	4P	5P	6P
MALE FACE VIEW					
COLOR CODE	1- white 2- black	1- green-gnd 2- black 3- white	1- black 2- white 3- red 4- green-gnd	1- white 2- red 3- green-gnd 4- orange 5- black	1- white 2- red 3- green-gnd 4- orange 5- black 6- blue
VOLTAGE	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
CURRENT	13A	13A	10A	8A	8A
CONDUCTOR	#16-2	#16-3	#16-4	#16-5	#16-6

MALE	FIG	RECEPTACLES WITH #16 AWG PVC LEADS 12 INCHES LONG				
STRAIGHT	1	1R2006A20A120	1R3006A20A120	1R4006A20A120	1R5006A20A120	1R6006A20A120
90°	3	1R2007A20A120	1R3007A20A120	1R4007A20A120	1R5007A20A120	1R6007A20A120
FLANGE MOUNT	2	1R2G06A20A120	1R3G06A20A120	1R4G06A20A120	1R5G06A20A120	1R6G06A20A120
FEMALE	FIG	RECEPTACLES WITH #16 AWG PVC LEADS 12 INCHES LONG				
STRAIGHT	1	1R2004A20A120	1R3004A20A120	1R4004A20A120	1R5004A20A120	1R6004A20A120
90°	3	1R2005A20A120	1R3005A20A120	1R4005A20A120	1R5005A20A120	1R6005A20A120
FLANGE MOUNT	2	1R2G04A20A120	1R3G04A20A120	1R4G04A20A120	1R5G04A20A120	1R6G04A20A120

PART NO.	ACCESSORIES
5601	Locknut 1/2 "-14NPT, zinc plated steel
5611	Gasket, black neoprene

CATALOG OPTIONS

Use the following chart to modify your part's specifications

1R2006A20A1201

CABLE LENGTH

3'	F030
6'	F060

SHELL

STAINLESS STEEL SHELL	.ADD 1
NON-METALLIC SHELL	.ADD 2

(AVAILABLE ON MALE & FEMALE STRAIGHT RECEPTACLES ONLY)

Specifications



MECHANICAL

SHELL: ZINC DIECAST W/ BLACK EPOXY COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC GRAY NYLON 6/6
 90°: ZINC DIECAST W/ BLACK E-COAT
 FLANGE MOUNT: GRAY ANODIZED ALUMINUM
 INSERT: PVC - UL STD 94 - V0
 CONDUCTORS: #16 AWG, PVC INSULATION OVER 26 X #30 COPPER STRANDING, 600V, UL STYLE I015 CSA TEW

ELECTRICAL

VOLTAGE RATING: 600 V AC/DC
 AMPERAGE: 2P - 13A
 3P - 13A
 4P - 10A
 5P - 8A
 6P - 8A

ENVIRONMENTAL

PROTECTION: IP 68, NEMA 6P
 AMBIENT OPERATING TEMP: -4° TO 221° F (-20° TO 105° C)

CERTIFICATIONS

UL: UL RECOGNIZED, FILE NO. E46237
 CSA: CSA CERTIFIED, FILE NO. LR6837

RECEPTACLE DIMENSIONS

MALE STRAIGHT WITH 1/2" - 14NPT THREADS
 FEMALE STRAIGHT WITH 1/2" - 14NPT THREADS

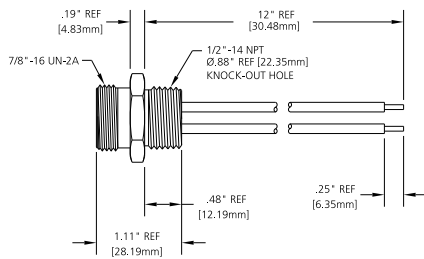
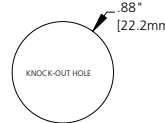
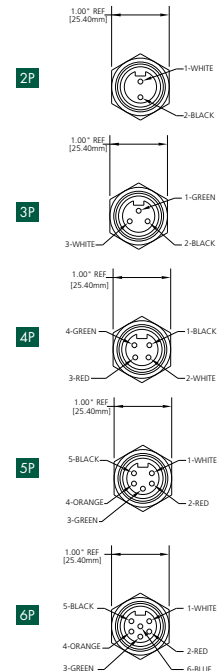


FIG 1

TYPICAL KNOCKOUT



FEMALE FACE VIEW



MALE FLANGE MOUNT
 FEMALE FLANGE MOUNT

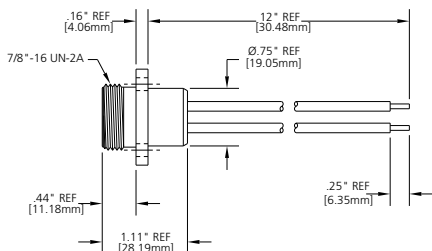
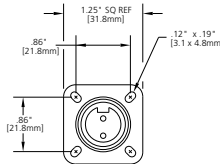


FIG 2

TYPICAL KNOCKOUT



MOUNTING DETAIL



MALE 90° WITH 1/2" - 14NPT THREADS
 FEMALE 90° WITH 1/2" - 14NPT THREADS

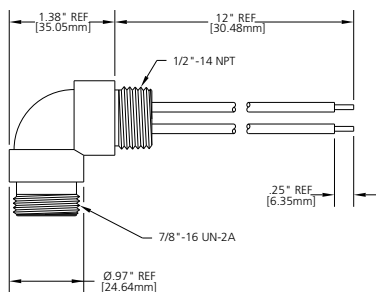
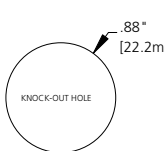
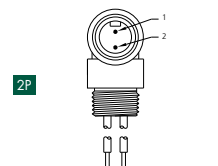


FIG 3

TYPICAL KNOCKOUT



TYPICAL MALE FACE VIEW



TYPICAL FEMALE FACE VIEW

