



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



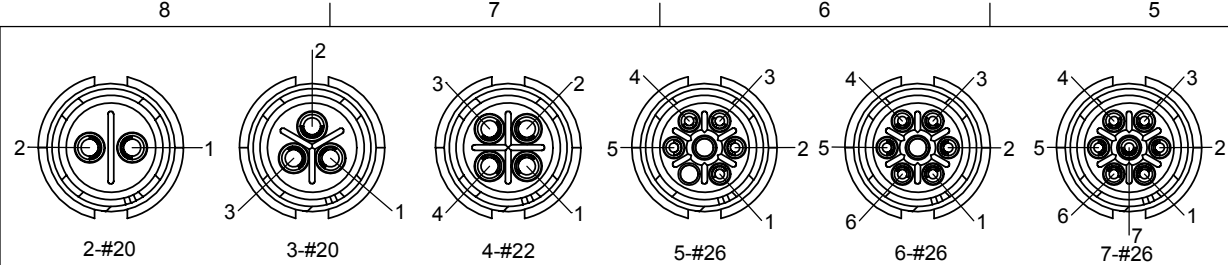
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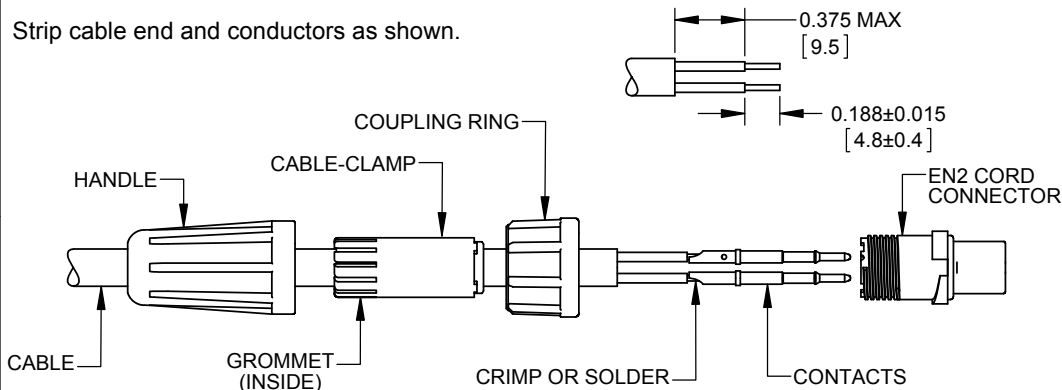


**CONTACT ARRANGEMENTS
CORD CONNECTOR REAR (WIRING SIDE) VIEW**

EN2 CORD CONNECTOR FIELD ASSEMBLY INSTRUCTIONS:

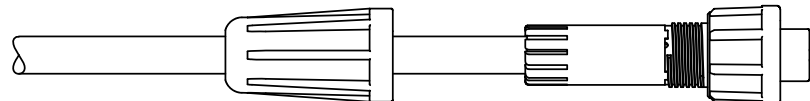
Feed the free end of cable through the handle, cable-clamp/grommet, and coupling ring in the order shown.

Strip cable end and conductors as shown.



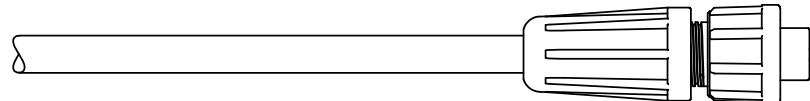
Soldering or crimping conductors to contacts is recommended before insertion into connector. If crimping, use hand or pneumatic crimp tool with crimp positioner per contact size. If soldering after contacts are inserted in the connector, limit exposure of contacts to soldering iron temperature to 4 sec. maximum. Soldering iron temperature should not exceed 650°F (343°C).

Insert wired contacts into connector housing using an insertion tool and per contacts arrangements.

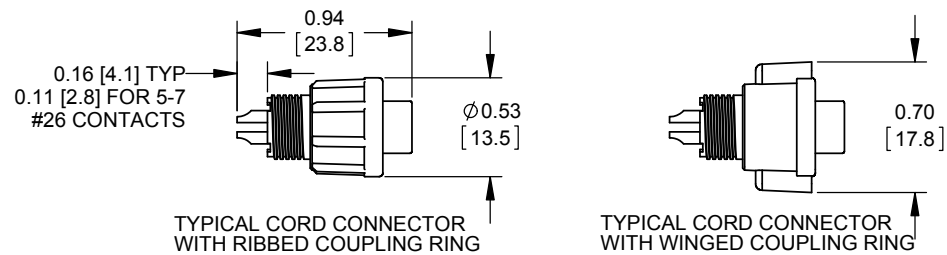


Align coupling ring over housing and bring forward.

Align cable-clamp/grommet on the rear of housing. Make certain grommet is completely inside the cable-clamp in the final position.

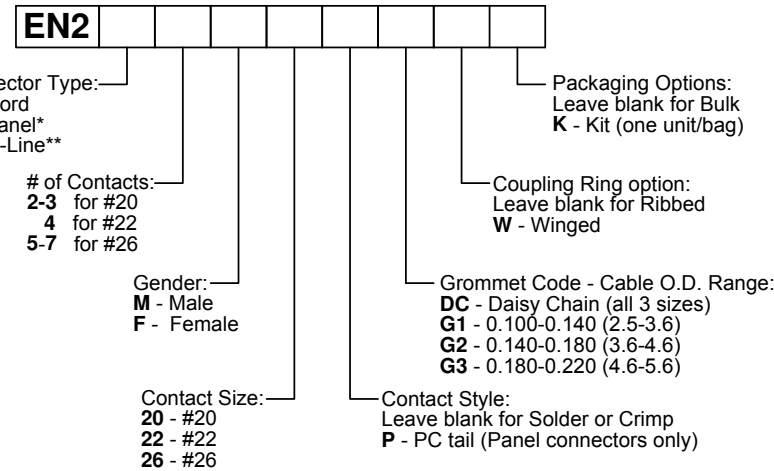


Bring forward and thread handle onto housing until tight. Do not exceed 2 in-lb torque.



TOOL	TOOL TYPE	POSITIONER	CONTACT SIZE	WIRE SIZES
EN3CR	HAND CRIMP TOOL	EN2POS20	20 and 22	20 and 22 AWG
		EN3POS26	26	26, 28, and 30 AWG
EN3CRAUTO	PNEUMATIC CRIMP TOOL	EN2POS20	20 and 22	20 and 22 AWG
		EN3POS26	26	26, 28, and 30 AWG
EN2CRL	HAND CRIMP TOOL LARGE FRAME	EN2POS20L	20 and 22	20, 22, 24, and 26 AWG
EN2CRAUTOL	PNEUMATIC CRIMP TOOL LARGE FRAME			
EN3INS20	CONTACT	--	20 and 22	--
EN3INS26	INSERTION/EXTRACTION	--	26	--

PART NUMBER SCHEME:



* for mating Panel-mount connectors refer to EN2P SERIES drawing.
** Mating In-Line connectors not currently available.

SPECIFICATIONS:

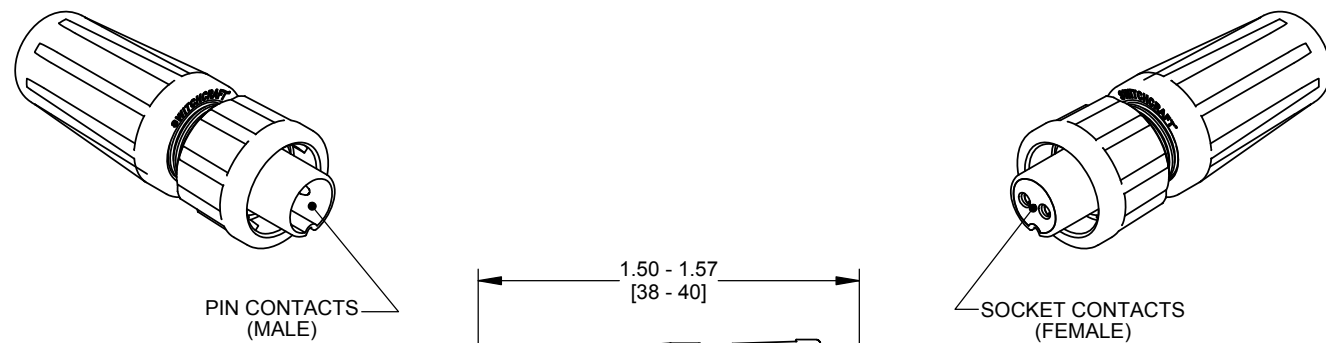
MECHANICAL
Life: 600 cycles minimum
Vibration: Mil-Std 202G Method 201A
Hex Nut Tongue: 5-6 in-lb

ELECTRICAL
Voltage Rating: 250 V AC/DC for 2 contact arrangement
125 V AC/DC for 3-7 contact arrangements
Insulation Resistance: 1000 MΩ minimum
Contact Resistance: 10 mΩ maximum
Current Rating: Refer to Current Rating Table

ENVIRONMENTAL
Operating Temperature Limits: -40°C to +85°C (-40°F to +185°F), see Current Rating Table.
Moisture Resistance: Mil-Std 202G Method 106G
Insulation Resistance: Mil-Std 202G Method 302
Thermal Shock: Mil-Std 202G Method 107G
Salt Atmosphere (Corrosion): Mil-Std 202G Method 101E
Wear/tight Ratings:
IP16, IP18, IP66, IP67, IP68 per IEC60529
NEMA 250 (6P), CFR 46 Part 110.20

MATERIAL
Connector Housing ----- Thermoplastic, black
Hex Nut ----- Thermoplastic, black
Coupling Ring ----- Thermoplastic, black
Cable Clamp ----- Thermoplastic, black
Handle (back-shell) ----- Thermoplastic, black
Insulator ----- Elastomer, black
Seal Grommet ----- Elastomer, black
Contacts ----- Copper Alloy, plated

Contacts	Wire (awg)	Current Rating (A) at Operating Temperature (°C)				
		45°C max.	55°C max.	65°C max.	75°C max.	85°C max.
2 #20	20	7	6	5	4	3.5
	22	5.5	5	4	3	2.5
	24	5.5	5	4	3	2.5
	26	4	3.5	2.5	2	1
3 #20	20	6.5	5.5	4.5	3.5	2
	22	5	4.5	3.5	3	1.5
	24	5	4.5	3.5	3	1.5
	26	3	2.5	2	1.5	0.5
4 #22	20	5	4.5	3.5	3	1.5
	22	4.5	4	3	2	1
	24	4.5	4	3	2	1
	26	3	2.5	2	1.5	0.5
5-7 #26	26	3	2.5	2	1.5	1
	30	2	1.5	1	0.5	0.5



ALL DIMENSIONS FOR REFERENCE ONLY

CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED						THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.					
0C	SPECS UPDATED	09/20/12	PNK	SRC		SIZE	WIDTH	MULT	LBS/M	TEMPER	
0B	TOOLS REVISED	05/14/12	PNK	*		FINISH		MATERIAL			
0A	PRELIMINARY	02/08/12	PNK	*		SPEC No.		SPEC No.			
REV	ECO NUMBER	DATE	BY	APVD		FIRST USED ON		SCALE			
						02/08/12		1.5:1			
REVISIONS						DATE DRAWN		BY		CHKD	
DO NOT SCALE DRAWING						02/08/12		PNK		02/08/12	
SolidWorks CAD File						NAME		APVD		SRC	
						EN2C SERIES CONNECTORS, RoHS		PART No.		EN2C SERIES	
						REV		0C		SHEET 1 OF 1	