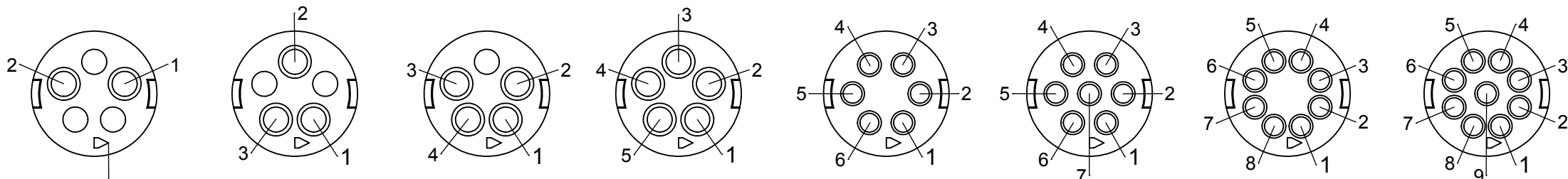
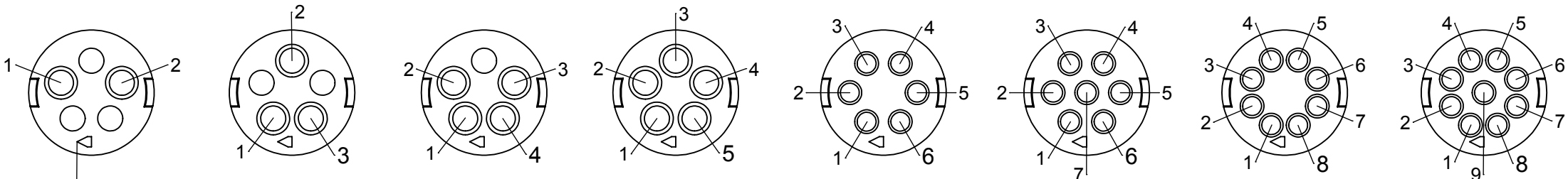


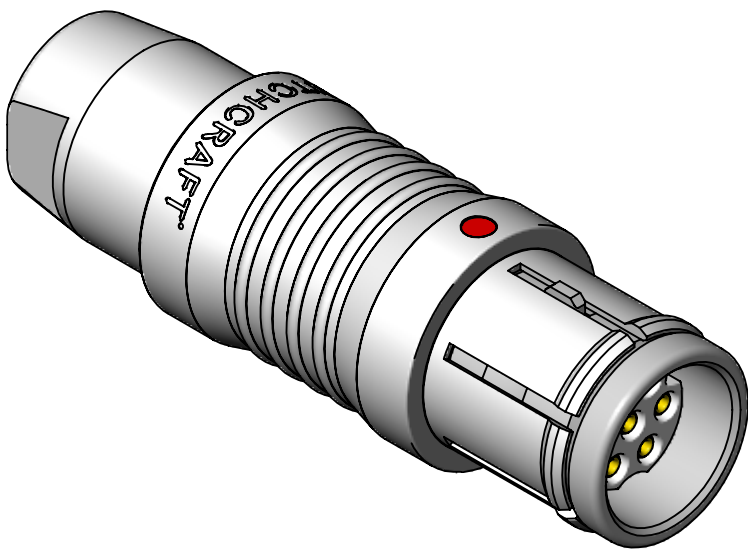
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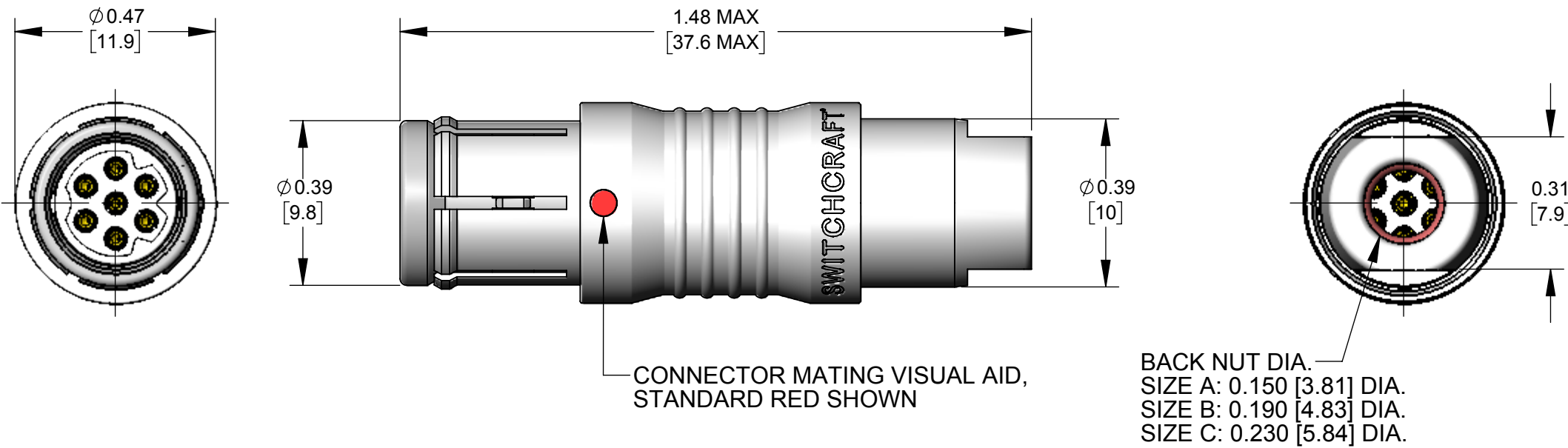
COUNTERCLOCKWISE COUNT  
FEMALE (SOCKETS) CONTACT ARRANGEMENTS  
REAR (WIRING SIDE) VIEW



CLOCKWISE COUNT  
MALE (PINS) CONTACT ARRANGEMENTS  
REAR (WIRING SIDE) VIEW



HS2C7F26B SHOWN HERE



CONNECTOR MATING VISUAL AID,  
STANDARD RED SHOWN

BACK NUT DIA.  
SIZE A: 0.150 [3.81] DIA.  
SIZE B: 0.190 [4.83] DIA.  
SIZE C: 0.230 [5.84] DIA.

ALL DIMENSIONS FOR REFERENCE ONLY

B

A

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			
INSTOOL20	CONTACT INSERTION	--	20	20, 22, 24, and 26 AWG
INSTOOL26		--	26	26, 28, and 30 AWG
REMTOOL20	CONTACT EXTRACTION	--	20	20, 22, 24, and 26 AWG
REMTOOL26		--	26	26, 28, and 30 AWG

HS2 C 7 F 26 B - K

HS2 Series

Connector Type:  
C - Cable-End

# of contacts:  
2-5 for #20  
6-9 for #26

Gender:  
M - Male (Pin)  
F - Female (Socket)

Options:  
K - Kit Packaging (one unit/bag)  
[blank] - Bulk Packaging  
Consult factory for other options

Clamp Set per Cable O.D. Range  
for Cable-End and Cable-to-Cable only:  
A - 0.110 - 0.140 [2.8 - 3.6]  
B - 0.140 - 0.180 [3.6 - 4.6]  
C - 0.180 - 0.216 [4.6 - 5.5]

Contact Size:  
20 - 20, 22, 24, 26 AWG wires  
26 - 26,28, 30 AWG wires

Refer to HS2P SERIES drawing for mating Panel-mount connectors.  
Refer to HS2L SERIES drawing for mating Cable-to-Cable connectors.

SPECIFICATIONS:	
<b>MECHANICAL</b>	
Mating / Locking Type:	Push-Pull automatic locking/unlocking
Life	5,000 cycles minimum
Operating Forces	10 lb. [44.5 N] maximum Insertion or Withdrawal
Vibration	Mil-Std 202G Method 201A
Panel-Mount Hex Nut Tongue	40 in-lb [4.5 Nm] maximum
Cable Securing System:	Threaded on metal Clamp
<b>ELECTRICAL</b>	
Voltage Rating	125 V AC/DC for 2-5 contact arrangements 30 V AC/DC for 6-9 contact arrangements
Current Rating	Refer to Current Carry Capacity Table
Insulation Resistance	1000 MΩ minimum
Contact Resistance	10 mΩ typical
EMI Shielding	360°
<b>ENVIRONMENTAL</b>	
Temperature Limits	-40°C to +135°C (-40°F to +275°F)
Operating Temperature Range	Refer to Current Carry Capacity 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
Ingress Protection Ratings	IP66, IP67, IP68 (6 ft. for 24 hours) per IEC60529, NEMA 250 6P
<b>MATERIAL</b>	
Outer Shell Metal components	Copper Alloy, electroless nickel plated
Hex Nut & Inner Metal components	Copper Alloy, nickel plated
Ground Spring Washer	Stainless Steel
Electrical Insulator	Medical Technology LCP, natural
Seal O-rings	Silicone, red
Contacts	Copper Alloy, gold plated with Stainless Steel locking clip

Contacts	Wire (awg)	Current Rating (A) at Operating Temperature (°C)					Minimum Test Voltage (V rms)	Voltage (V rms) tested per UL2238
		45°C max.	65°C max.	85°C max.	100°C max.	110°C max.		
2 #20	20	10	9	8	7*	6	1400	125
	22	8.5	7.5	7.5	5.5*	4.5		
	24	7	6	5	4.5*	3.5		
	26	4	4	3.5	3.5*	2.5		
3 #20	20	9.5	8.5	7.5	6.5*	5		
	22	8	7	6	5*	4		
	24	6	5.5	4.5	4*	3		
	26	3.5	3.5	3	3*	2.5		
4 #20	20	9	8	7	6*	5		
	22	7.5	6.5	5.5	4.5*	3.5		
	24	5	4.5	4	3.5*	2.5		
	26	3	3	2.5	2.5*	2		
5 #20	20	8	7.5	6.5	5.5*	4.5		
	22	6.5	5.5	5	4*	3		
	24	4.5	4	3.5	3*	2.5		
	26	2.5	2.5	2	2*	1.5		
6-7 #26	26	2.5	2.5	2	2*	1.5	1000	30
	28	2	2	1.5	1.5*	1		
	30	1.5	1.5	1	1*	.5		
	26	2	2	1.5	1.5*	1		
8-9 #26	28	1.5	1.5	1	1*	.5		
	30	1	1	.5	.5*	.5		

\*Temperature Rise does not exceed 30°C when tested according to UL2238. All other recommended current ratings are based on the Relative Thermal Index of the insulating material.

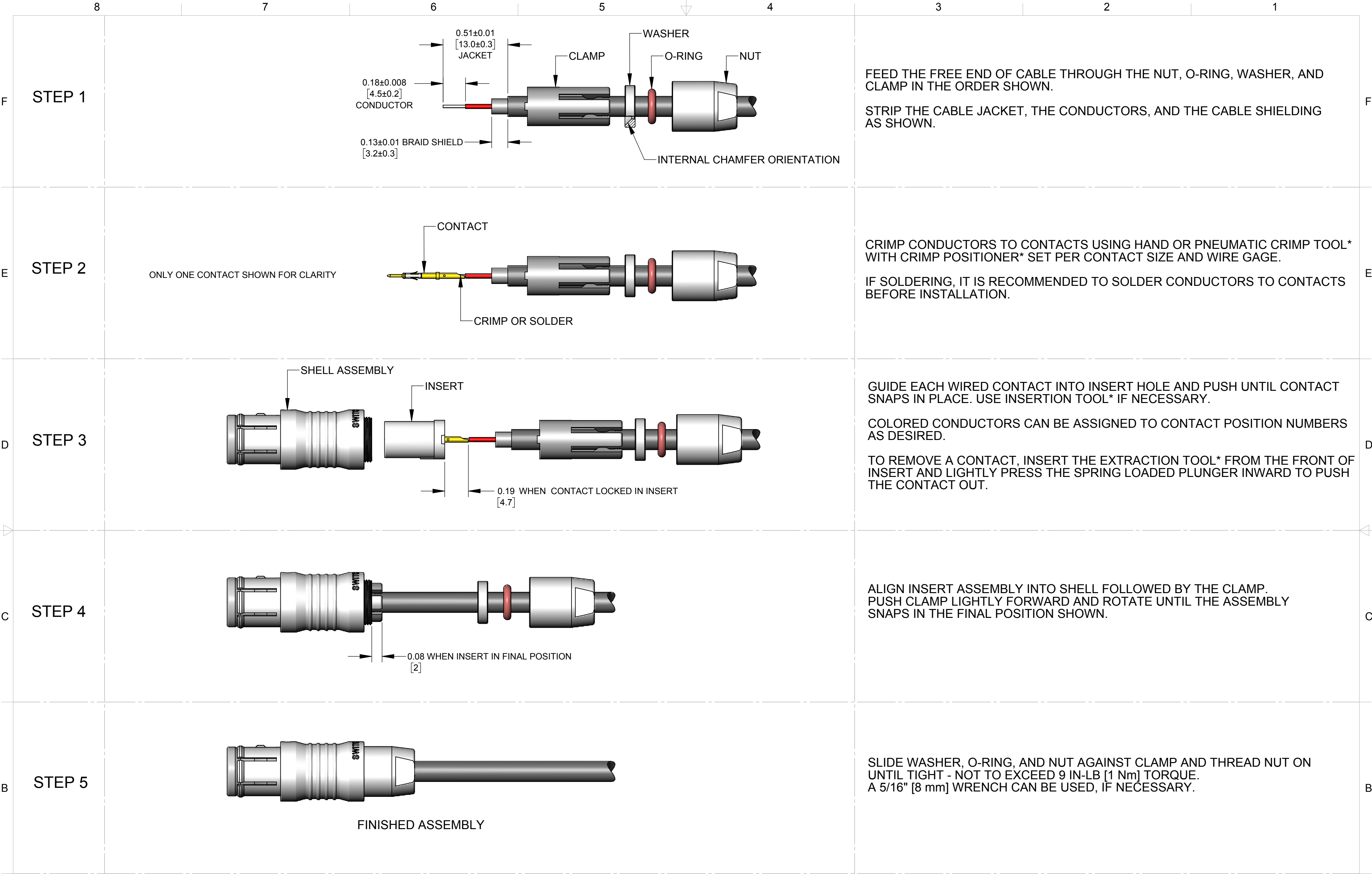
CUSTOMER DRAWING

						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.																
						UNLESS OTHERWISE SPECIFIED		SIZE		WIDTH		MULT		LBS/M		TEMPER						
						1. ALL DIMENSIONS IN INCHES [mm]  - TWO PLACE DECIMALS    ±0.02 [0.5]  - THREE PLACE DECIMALS   ±0.005 [0.13]		FINISH						MATERIAL								
					SPEC No.						SPEC No.											
					FIRST USED ON				SCALE				<div>Switchcraft®</div>									
									3:1													
0B	INSTALLATION TOOLS CHANGE, INSTRUCTIONS UPDATE		04/22/16	PNK	SRC			DATE DRAWN		BY		CHKD		APVD								
0A	PRELIMINARY		01/06/16	PNK	SRC			01/06/16		PNK		01/06/16		SRC								
REV	ECO NUMBER		DATE	BY	APVD			NAME		CABLE-END		01/06/16		01/06/16								
REVISIONS						DO NOT SCALE DRAWING		HS2 SERIES CONNECTOR						PART No.		HS2C SERIES						
																REV 0B						

DO NOT SCALE DRAWING

SolidWorks CAD File

C



\*REFER TO TOOLS TABLE ON THIS DRAWING FOR SELECTION OF TOOLS PER CONTACT AND WIRE SIZE.

# HS2 SERIES CABLE-END FIELD ASSEMBLY INSTRUCTIONS

SCALE 2:1	<div>Switchcraft®</div>	
DATE DRAWN 01/06/16		
DRAWN BY PNK	PART No. HS2C SERIES_CD	REV 0B

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[HS2C4M20B](#) [HS2C3M20B](#) [HS2C2M20A](#) [HS2C3F20A](#) [HS2C7F26A](#) [HS2C3F20B](#) [HS2C7M26B](#) [HS2C9F26A](#)  
[HS2C6F26B](#) [HS2C2F20B](#) [HS2C2F20A](#) [HS2C8F26B](#) [HS2C6F26A](#) [HS2C8M26C](#) [HS2C7M26A](#) [HS2C9F26B](#)  
[HS2C6M26A](#) [HS2C5M20B](#) [HS2C4F20B](#) [HS2C8M26A](#) [HS2C5F20B](#) [HS2C6M26C](#) [HS2C6M26B](#) [HS2C8F26A](#)  
[HS2C2M20B](#) [HS2C9M26A](#) [HS2C7F26B](#) [HS2C6F26C](#)