

HS2 C KIT PACKAGING OPTION: **K** - ONE UNIT / BAG HS2 SERIES C - CABLE-END CONNECTOR CLAMP SET PER CABLE O.D. RANGE: **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] # OF CONTACTS:
2-5 FOR #20 CONTACTS
6-9 FOR #26 CONTACTS GENDER:

M - MALE (PIN)

F - FEMALE (SOCKET) CONTACT SIZE: **20** - 20, 22, 24, 26 AWG WIRES **26** - 26,28, 30 AWG WIRES

3

REFER TO "HS2P SERIES" DRAWING FOR MATING PANEL-MOUNT CONNECTORS. REFER TO "HS2L SERIES" DRAWING FOR MATING CABLE-TO-CABLE CONNECTORS.

	SPECIFICATIONS:					
MECHANICAL						
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 Torque	40 in-lb [4.5 Nm] maximum					
Cable Securing System:	Threaded on metal Clamp					
ELECTRICAL	· · · · · · · · · · · · · · · · · · ·					
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°					
ENVIRONMENTAL						
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					
MATERIAL						
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)	Curre	Minimum Test Voltage	Voltage (V rms) tested per				
		45°C max.	65°C max.	85°C max.	100°C max.	110°C max.	(V rms)	UL2238
2 #20	20	10	9	8	7*	6		
	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		125
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	1400	
	20	9	8	7	6*	5	1400	
4 #20	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		I
	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		20
	28	2	2	1.5	1.5*	1		
	30	1.5	1.5	1	1*	.5	1000	
8-9 #26	26	2	2	1.5	1.5*	1	1000	30
	28	1.5	1.5	.5	1*	.5		
	30	1	1 1 1 s not exceed 30°C when to		.5*	.5		

ratings are based on the Relative Thermal Index of the insulating material.

## **CUSTOMER DRAWING**

										PROPRIETARY IN NATURE, DEVELOPED AND MANUFACT ONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES OF					
					UNLESS OTHERWISE SPECIFIED	SIZE	W	/IDTH	MULT		LBS/M		TEMPER		
					1. ALL DIMENSIONS IN INCHES [mm] FINISH				MATERIAL						
					- TWO PLACE DECIMALS ±0.02 [0.5] SPEC No.					SPEC No.					
					1440 1 E/ (CE DECIIVI/ (ES 10.02 _ [0.0]	FIRST U	SED ON	١	SCALE						
					- THREE PLACE DECIMALS ±0.005 [0.13]	3:1			- Smilehers F				\Œ□ <sup>®</sup>		
0B	INTALLATION TOOLS CHANGE, INSTRUCTIONS UPDATE	04/22/16	PNK	SRC		DATE DRAWN BY CHKD		APVD				JL d			
	INSTRUCTIONS UPDATE	0 1/22/10						PNK	SRC						
0A	PRELIMINARY	01/06/16	PNK	SRC		01/06/16	PNK	01/06/16	01/06/16		SHEET	1	of 2		
REV	ECO NUMBER	DATE	BY	APVD		NAME	CAE	BLE-END		PART No				REV	
	REVISIONS		DO NOT SCALE DRAWING	HS2 SERIES CONNECTOR HS2C SERI			ERIE	ES	0B						
															_

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С

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REMTOOL26

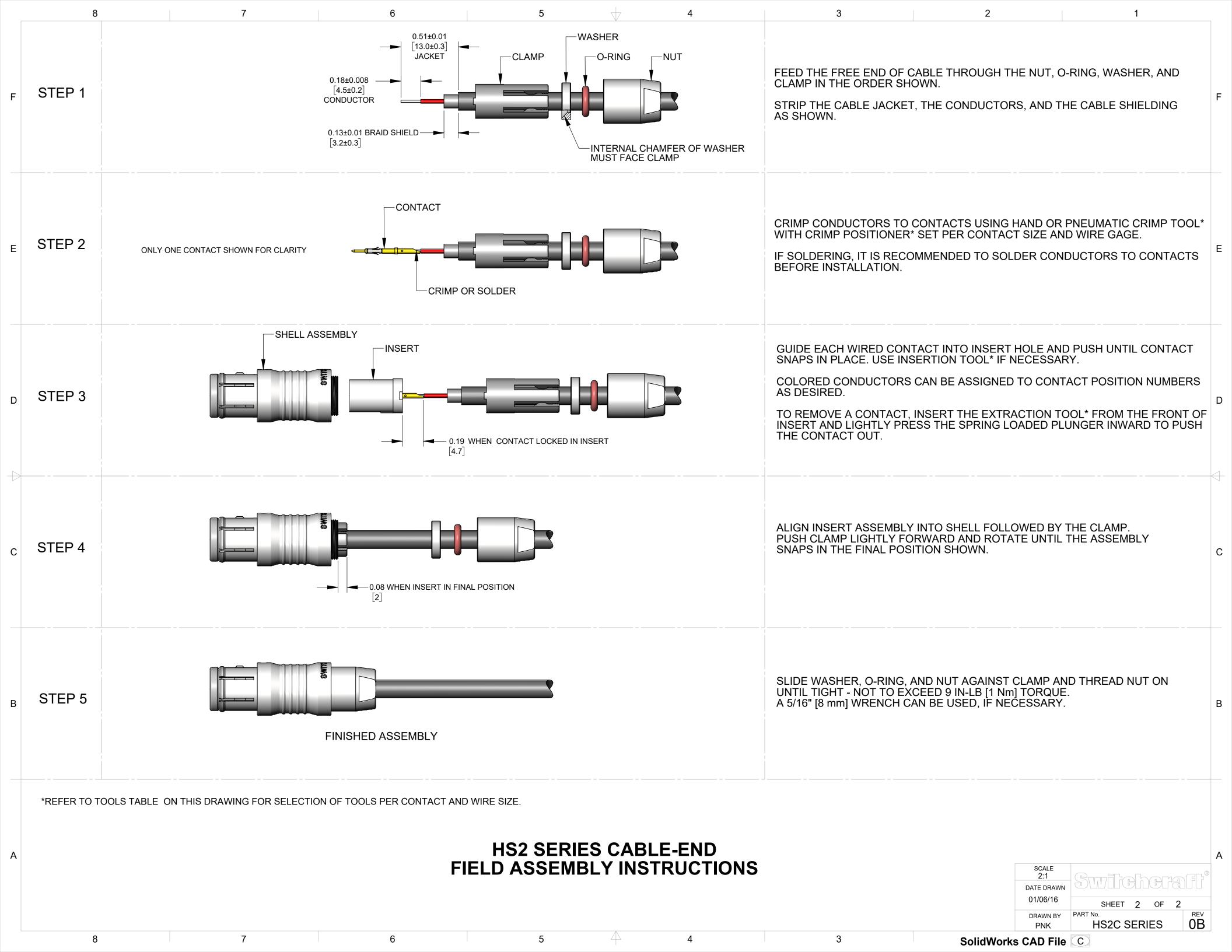
8

26, 28, and 30 AWG

6

5

SolidWorks CAD File C



## **Mouser Electronics**

**Authorized Distributor** 

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Switchcraft:

HS2C5M20C HS2C5F20C