

TS2 L 7 M 26 B - K TS2 Series K - Kit Packaging (one unit/bag)
[blank] - Bulk Packaging
Consult factory for other options Connector Type:-L - Cable-to-Cable 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] # of contacts: **2-5** for #20 **6-9** for #26 Contact Size: **20** - 20, 22, 24, 26 AWG wires **26** - 26,28, 30 AWG wires Gender: M - Male (Pin) F - Female (Socket) Refer to TS2P SERIES drawing for Panel-mount connectors.

SPECIFICATIONS: MECHANICAL Mating / Locking Type: Threaded Coupling 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 Threaded on metal Clamp Cable Securing System:

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 **ENVIRONMENTAL** -40°C to +135°C (-40°F to +275°F) Temperature Limits Operating Temperature Range Refer to Current Carry Capacity Table Mil-Std 202G Method 106G Moisture Resistance Mil-Std 202G Method 302 Insulation Resistance Mil-Std 202G Method 107G Thermal Shock 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

Copper Alloy, electroless nickel plated

Copper Alloy, gold plated with Stainless Steel locking clip

Copper Alloy, nickel plated

Thermoplastic Elastomer

Medical Technology LCP, natural

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		125	
	24	7	6	5	4.5*	3.5			
	26	4	4	3.5	3.5*	2.5			
	20	9.5	8.5	7.5	6.5*	5			
3 #20	22	8	7	6	5*	4			
	24	6	5.5	4.5	4*	3			
	26	3.5	3.5	3	3*	2.5	1300		
	20	9	8	7	6*	5	1300		
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			
	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			
	28	2	2	1.5	1.5*	1			
	30	1.5	1.5	1	1*	.5	1000	30	
8-9 #26	26	2	2	1.5	1.5*	1	1000		
	28	1.5	1.5	1	1*	.5			
	30	1 does not exce	1	.5	.5*	.5			

CUSTOMER DRAWING

										ROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED NFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.				
					UNLESS OTHERWISE SPECIFIED	SIZE	V	VIDTH	MULT	LI	BS/M		TEMPER	
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH				MATERIAL SPEC No.				
					- TWO PLACE DECIMALS ±0.02 [0.5]	SPEC No.								
					- 1WO I LACE DECIMALS 10.02 [0.0]	FIRST USED ON SCALE 3:1		SCALE						
					- THREE PLACE DECIMALS ±0.005 [0.13]			- Swifteners F				F		
0B	10 lb WAS 5 lb	09/22/16	PNK	SRC		DATE DRAWN	BY	CHKD	APVD				JL J	
-						04/00/46	DAIL	PNK	SRC					
0A	PRELIMINARY	04/20/16	PNK	SRC		04/20/16	PNK	04/20/16	04/20/16	S	SHEET	1	OF 2	
REV	ECO NUMBER	DATE	BY	APVD				E-TO-CAI		PART No.			_	RE
	REVISIONS DO		DO NOT SCALE DRAWING	TS2 SERIES CONNECTOR			TS2L SERIES			OE				

SolidWorks CAD File C

Outer Shell Metal components

Electrical Insulator

Contacts Assembly

Seal O-rings

Hex Nut & Inner Metal components

CONTACT EXTRUCTION

8

Ε

D

С

Α

REMTOOL26

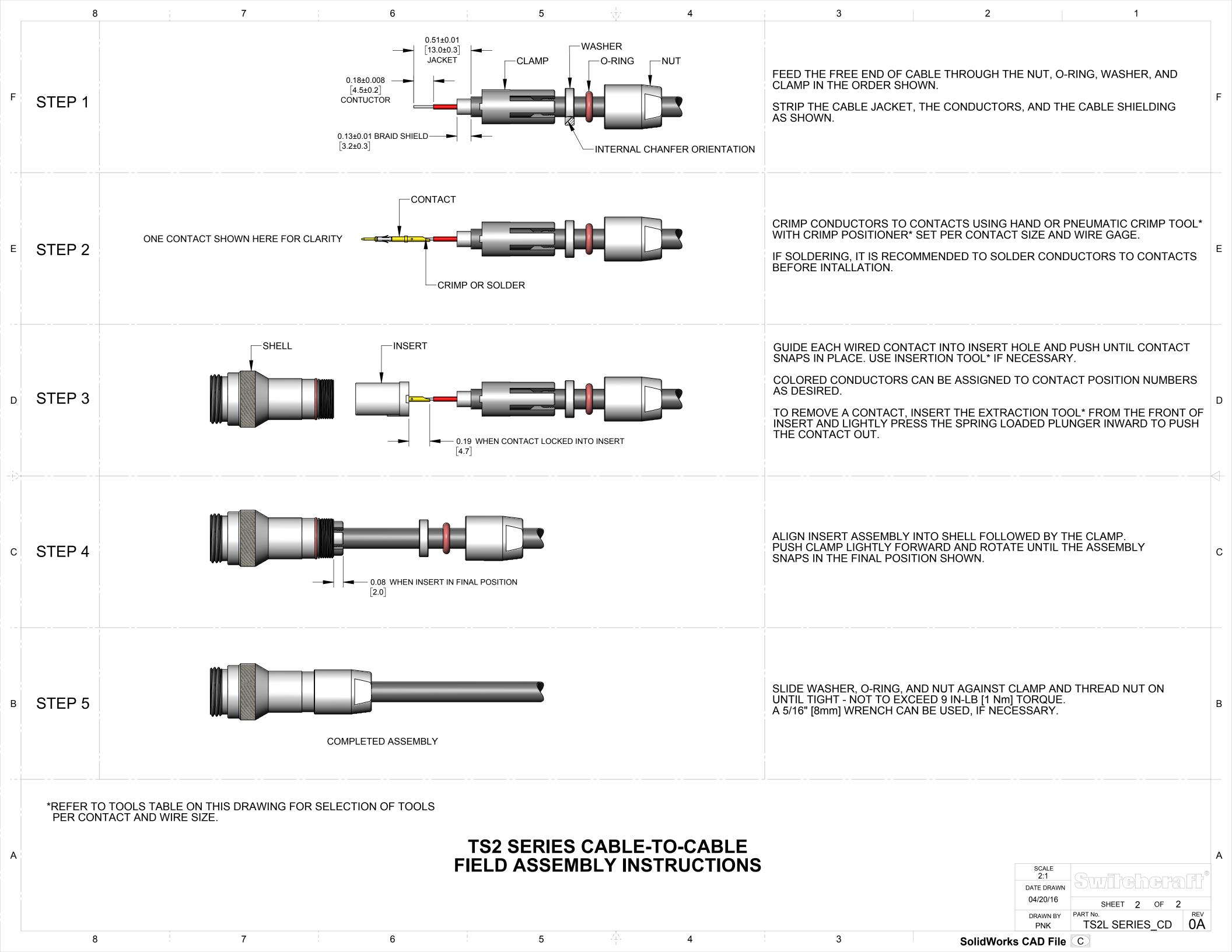
7

26

6

26, 28, and 30 AWG

5



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