

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
	20	10	9	8	7*	6		
2 #20	22	8.5	7.5	7.5	5.5*	4.5		
2 #20	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		
3 #20	24	6	5.5	4.5	4*	3		
	26	3.5	3.5	3	3*	2.5	1300	125
	20	9	8	7	6*	5	1300	125
4 #20	22	7.5	6.5	5.5	4.5*	3.5		
4 #20	24	5	4.5	4	3.5*	2.5		
	26	3	3	2.5	2.5*	2		
	20	8	7.5	6.5	5.5*	4.5		
5 #20	22	6.5	5.5	5	4*	3		
3 #20	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	30
	28	1.5	1.5	1	1*	.5		
	30	1 does not exce	1	.5	.5*	.5		

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	V	VIDTH	MULT	LI	BS/M		TEMPER	
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH SPEC No. FIRST USED ON SCALE			MATERIAL					
					- TWO PLACE DECIMALS ±0.02 [0.5]				SPEC No.					
					- 1WO I LACE DECIMALS 10.02 [0.0]									
					- THREE PLACE DECIMALS ±0.005 [0.13]				3:1			7		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-CA		PART No.			_	RE
REVISIONS		DO NOT SCALE DRAWING	TS2 SERIES CONNECTOR TS2L SERIES				S	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

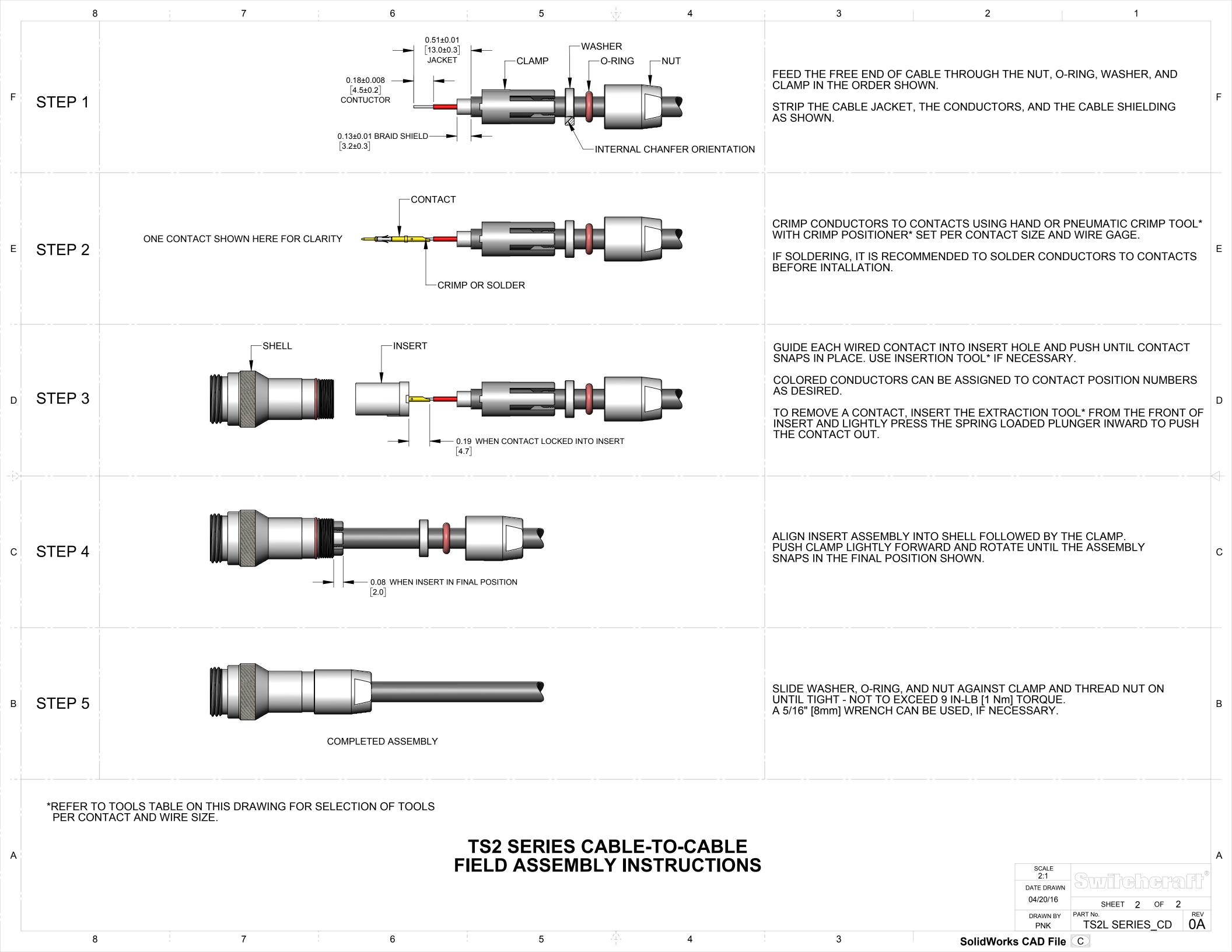
7

26

6

26, 28, and 30 AWG

5



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Switchcraft:

TS2L8M26	B TS2L3F20A	A TS2L5M200	TS2L5F200	TS2L9F26E	TS2L9M26E	TS2L2M20A	TS2L2F20A	<u>\</u>
TS2L6F26C	TS2L6M26C	TS2L3M20A	TS2L7F26C	TS2L4F20A	TS2L5M20A	TS2L8M26C	TS2L4M20A	
TS2L2M20B	TS2L6M26A	TS2L2F20B	TS2L6F26A	TS2L8F26A	TS2L7M26A	TS2L3F20B	TS2L3M20B	
TS2L4F20B	TS2L7F26A	TS2L9F26A	TS2L5M20B	TS2L9M26A	TS2L2M20C	TS2L3M20C	TS2L7F26B	
TS2L3F20C	TS2L6F26B	TS2L6M26B	TS2L8M26A	TS2L4F20C	TS2L7M26B	TS2L4M20C	TS2L7M26C	
TS2L8F26C	TS2L4M20B	TS2L5F20B	TS2L5F20A	TS2L9F26C	TS2L9M26C	TS2L2F20C	TS2L8F26B	TS2LCAF