

TS2 L KIT PACKAGING OPTION: **K** - ONE UNIT / BAG

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:

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

REFER TO "TS2C SERIES" DRAWING FOR MATING CABLE-END CONNECTORS.

	SPECIFICATIONS:
MECHANICAL	
Mating / Locking Type:	Threaded Coupling
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
Electrical Insulator	Medical Technology LCP, natural
Seal O-rings	Thermoplastic Elastomer
Contacts Assembly	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
	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		I
	26	4 4 3.5 3.5* 2.5		2.5				
	20	9.5	8.5	7.5	6.5*	5		125
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	
L	20	9	8	7	6*	5	1300	
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		
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	30
	28	1.5	1.5	1	1*	.5		
	30	1 does not exce	11	.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	W	VIDTH	MULT	L	BS/M		TEMPER	
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH				MATERIAL				
					- TWO PLACE DECIMALS ±0.02 [0.5]	SPEC No.  FIRST USED ON SCALE  3:1				SPEC No.				
					- TWO TEACE DECIMALS 10.02 [0.0]				SCALE					
					- THREE PLACE DECIMALS ±0.005 [0.13]				J Paris Character					
0B	10 lb WAS 5 lb	09/22/16	PNK	SRC		DATE DRAWN	BY	CHKD	APVD					
-		00/22/10		-		04/00/40		PNK	SRC					
0A	PRELIMINARY	04/20/16	PNK	SRC		04/20/16	PNK	04/20/16	04/20/16	S	HEET	1 (	OF 2	
REV	ECO NUMBER	DATE	BY	APVD				E-TO-CAI		PART No.				REV
REVISIONS		DO NOT SCALE DRAWING	TS2 S	TS2 SERIES CONNECTOR			TS2L SERIES			0B				

SolidWorks CAD File C

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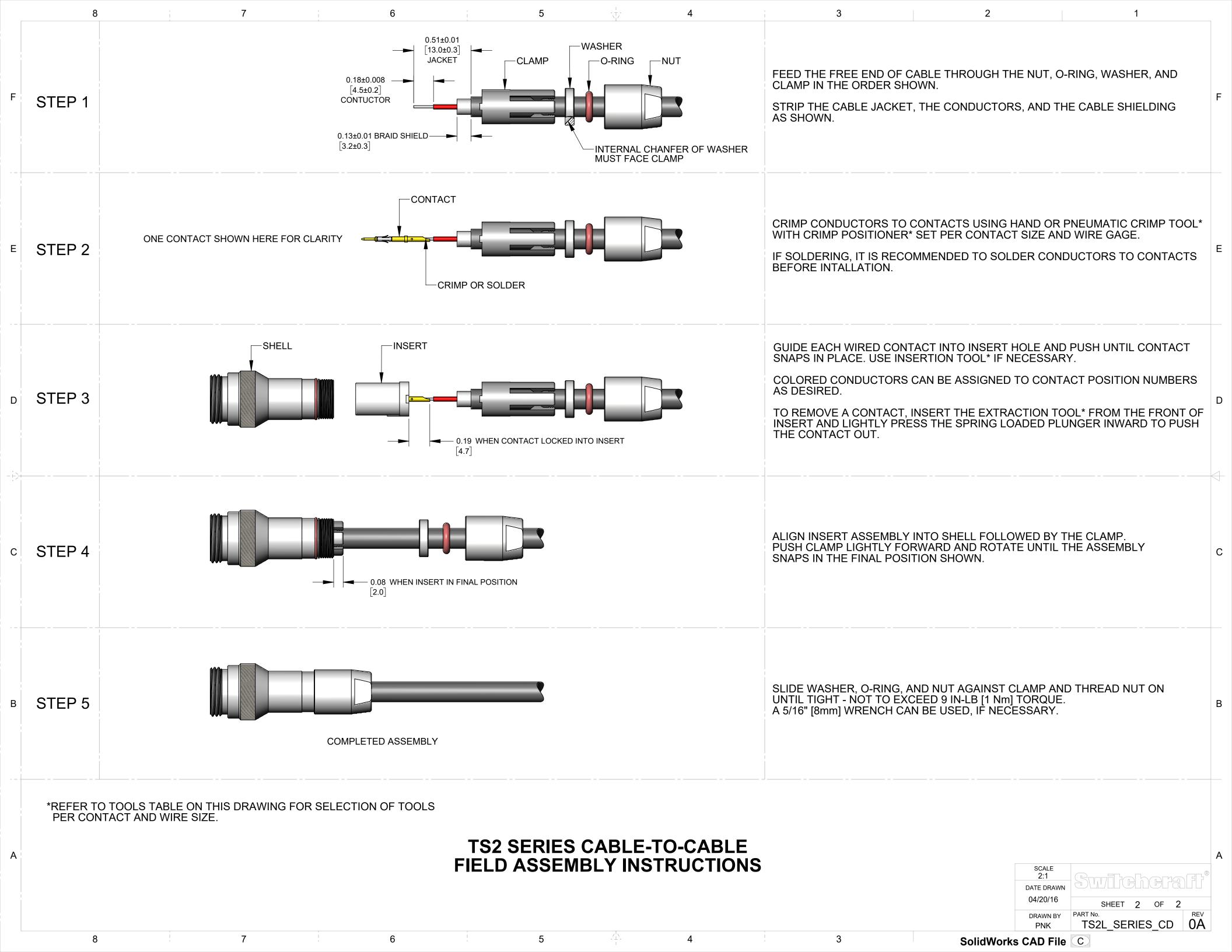
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## **Mouser Electronics**

**Authorized Distributor** 

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## Switchcraft:

TS2L8M26B TS2L3F20A TS2L5M20C TS2L9F26B TS2L9M26B TS2L2M20A TS2L2F20A TS2L6F26C
TS2L6M26C TS2L3M20A TS2L4F20A TS2L5M20A TS2L8M26C TS2L4M20A TS2L2M20B TS2L6M26A
TS2L2F20B TS2L6F26A TS2L8F26A TS2L7M26A TS2L3F20B TS2L3M20B TS2L4F20B TS2L7F26A TS2L9F26A
TS2L5M20B TS2L9M26A TS2L2M20C TS2L3M20C TS2L7F26B TS2L6F26B TS2L6M26B TS2L8M26A
TS2L7M26B TS2L4M20C TS2L7M26C TS2L8F26C TS2L4M20B TS2L5F20B TS2L5F20A TS2L9F26C
TS2L9M26C TS2L8F26B