



SURFACE BURNER CONNECTOR SYSTEM

Quick Reference Guide

Designed for coil-type heating elements

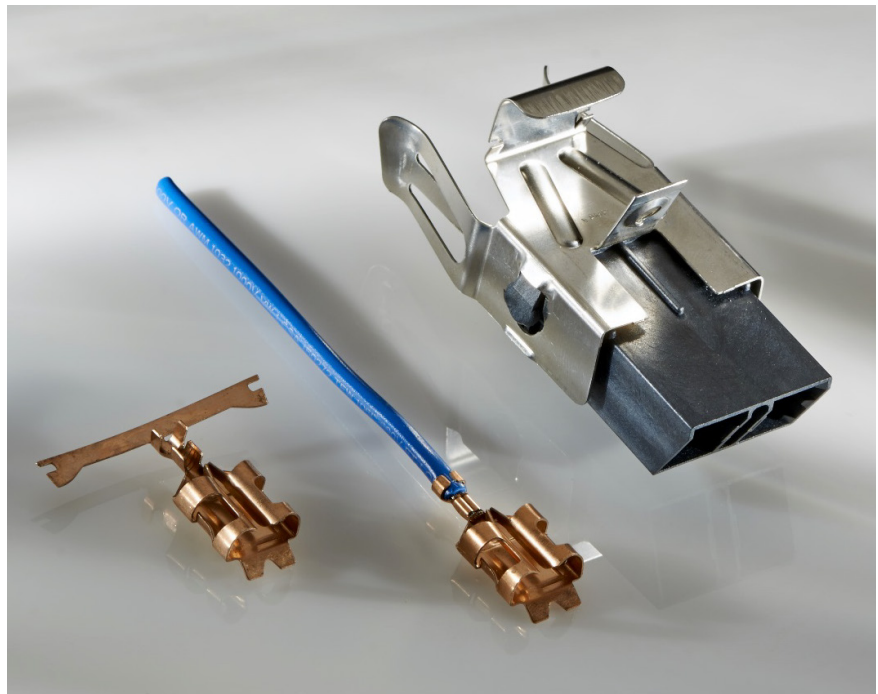
TE Connectivity's (TE) easily-assembled surface burner connector system comprises a high temperature housing, plug-in receptacles and multiple clip offerings. TE's new housing offers an improved, cost-effective solution for applications using a traditional coil-type, plug-in heating element. The new housing is approved to 240°C, a higher temperature than competitive solutions. Additionally, the new liquid crystal polymer (LCP) housing from TE is less prone to chipping and cracking than competing housings molded from other materials. Receptacle design permits the use of high-speed equipment to terminate leads. Clips are available in multiple configurations to satisfy various range and burner designs. The system facilitates changing burner elements and tests demonstrate these robust connector systems still operate after 3500 cycles of mating and unmating. The connector system is UL recognized and CSA certified.

KEY FEATURES

- High temperature material withstands temperatures up to 240°C, higher than competitive products
- Side retention ears on the housing allow it to easily be snapped into clips of various configurations to satisfy multiple design requirements
- Utilizes a receptacle terminal with a proven track record, having been successfully used by OEMs for several years

APPLICATIONS

- Primary applications are anticipated in freestanding or slide-in electric ranges and drop-in cooktops using coil-type surface burners for the North American market.
- Other applications may be found in small appliances such as portable countertop electric hot plates using coil-type surface burners.



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Part Number	Description	Notes
1969726-1	- Two position housing - LCP material 240°C temperature rating - New robust design - Standard teardrop style clip retention ears	- Molded of black colored liquid crystal polymer (LCP) thermoplastic material rated -40 to 240°C - Accepts existing heavy duty phosphor bronze receptacle terminal 640748-7 - UL recognized (file E70200) and CSA Certified (file LR7189-88)
640748-7	- Heavy duty receptacle terminal - Phosphor bronze material - Good for over 3500 mating/unmating cycles	- Use with two position housing 1969726-1 #18 - 14 AWG (.8 - 2 mm²) wire .156 in (3.96 mm) max dia insulation - Accepts tab or ring .070 - .095 in (1.78 - 2.41 mm) thick and .312 - .375 in (7.92 - 9.52 mm) wide
640750-1	Bracket bent inward / tab accepts 10-32 machine screw	1969726-1 housing can be used with any clips listed - See customer drawings for detailed view of grounding and mounting options
640751-1	Extended Bracket / tab accepts 10-32 machine screw	
1969755-1	Slightly extended tracklet / grounding tab with no hole	
1217836-1	Grounding tab is .250x.020 tab for receptacle	
1217841-1	Stainless steel clip - grounding tab:- no grounding tab	
X-2151340-Y	OCEAN Applicator for 640748-7 receptacle terminal	The full part number varies dependent upon specific options selected. The OCEAN applicator can be used with various presses and leadmakers.

te.com/surfaceburner

APPLIANCES /// SURFACE BURNER CONNECTOR SYSTEM

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1-1773907-9 01/2017 Original



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