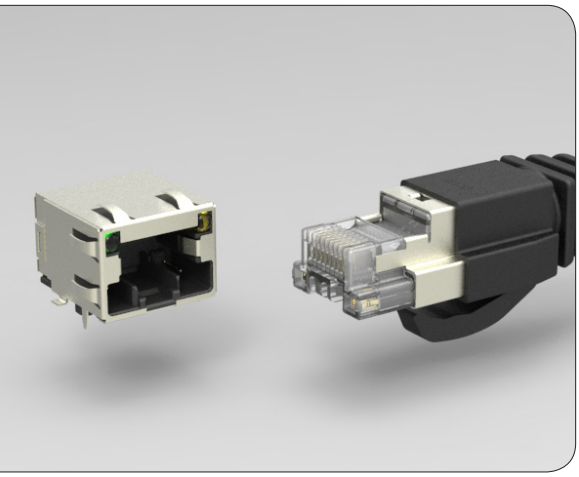
CLOUDSPLITTER
Connector System

The CLOUDSPLITTER connector system is a single cable solution for powered devices that delivers Cat5e performance and up to 250 watts of power over a single cable. The 8 position RJ45 jack is surface mountable and includes integrated LED indicator lights. The jack accepts CLOUDSPLITTER or standard RJ45 shielded plugs and provides DC power at 5A up to 50VDC over two integrated power contacts.

TE connectivity

INDUSTRIAL



Typical Applications

- Video surveillance over IP networks
- Intelligent building management
- Factory automation
- Wireless network transceivers

Benefits

- Cat 5e and DC power in one connection to help standardize your inventory
- SMT compatible packaged on tape and reel
- SMT Jack accepts standard RJ45 shielded plug in addition to CLOUDSPLITTER plug assembly
- Shielded SMT jack and cable plug
- Cable combines signal and power available in shielded or unshielded configuration
- Pre-terminated cable assemblies in standard lengths
- RoHS/REACH Compliant
- Lead-free reflow solder capable
- Cable is UL444 and CM rated
- Certified to UL 1863

MECHANICAL

- Operating temperature: - 40° to +85°C
- 8 signal and 2 position power positions

ELECTRICAL

- Signal: 1.5 A / 150 VAC/DC
- Power: 5 A / 50 VDC

MATERIALS

Surface Mount Jack

- Housing: GF high temperature thermoplastic, black
- Contacts: Copper alloy / gold over nickel finish
- Shield: Copper-zinc alloy / tin over nickel finish
- LED: Diffused epoxy lens, carbon steel wire leads

Cable Assembly

- Plug Housing: Clear PC
- Contacts: Copper alloy / gold over nickel finish
- Shield: Copper alloy / tin over nickel finish
- Strain Relief: Black TPV
- Cable Jacket: Black PVC

APPLICATIONS AND SPECIFICATIONS

- UL 1863 Approved
- Cable is UL444 compliant and CM rated
- RoHS/REACH Compliant
- Application specification #: 114-32051 (Jack)
  114-32099 (Plug Assembly)
- Product Specification #: 108-64022

PRODUCT OFFERING

Surface Mount Jacks

TE Part Number	Description
2178126-1	Modular Jack with power pins
2178126-2	Modular Jack without power pins

Cable Assemblies

TE Part Number	Description
2178127-1	2-meter Unshielded (TE) cable assemblies
2178127-2	5-meter Unshielded (TE) cable assemblies
2178127-3	10-meter Unshielded (TE) cable assemblies
2178127-4	25-meter Unshielded (TE) cable assemblies
2213121-1	2-meter Shielded (TE) cable assemblies
2213121-2	5-meter Shielded (TE) cable assemblies
2213121-3	10-meter Shielded (TE) cable assemblies
2213121-4	25-meter Shielded (TE) cable assemblies

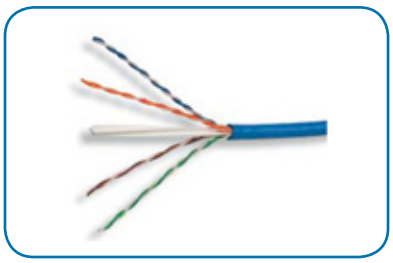
Plug Kits

TE Part Number	Description
2178148-1	Kit, Plug (TE-unshielded cable assemblies)
2178148-2	Kit, Plug (TE - shielded cable assemblies)

Tools

TE Part Number	Description
2217400-1	CLOUDSPLITTER Crimp Tool
2217299-1	micro MATE-N-LOK Crimp Tool (power contacts)

Both tools are required for assembly



Bulk Cable

TE Part Number	Description
2213212-1	Cable, Unshielded, 250 meters/reel (TE)
2213212-2	Cable, Shielded, 250 meters/reel (TE)

FOR MORE INFORMATION

te.com/fireandsecurity

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Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.
*as defined te.com/leadfree

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1-1773707-2 PDF JG4 07/2013
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TE connectivity

INDUSTRIAL