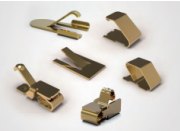# POS MACHINES

Point-of-Sale (POS) terminals play an increasingly important role in modern commerce, which follows the mass adoption of POS machines in various sectors including healthcare, hospitality, and retail. The evolution of the cashless economy and electronic payments has further boosted the growth of the global POS machine market. Portability, cost-efficiency, and superior quality stand out as key factors driving the preference for high-performance, reliable POS machines. TE Connectivity (TE) provides proven and compact connectivity solutions for fixed and mobile POS machines to address market demands and help you deliver reliability at a competitive price.
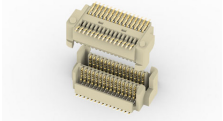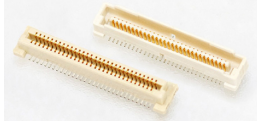
TE connectivity

01 — Spring Finger Connectors	08 — 0.5mm Fine Pitch Hermaphroditic Connectors
02 — LTE World Wide Band Antennas	09 — 0.8mm Free Height Connectors
03 — USB Type-C Connectors	10 — Mobile Battery Connectors
04 — GPS Molded Stamped Antenna Connectors	11 — FPC Connectors
05 — Memory Card Connectors	12 — Modular Jacks
06 — Block SIM Card Connectors	13 — WLAN Dual Band Antenna Assembly
07 — Micro SIM Card Connectors	

	RF **Antennas**	RF **Antennas**	RF **Antennas**	Grounding **Spring Finger Connectors**
Key Part No.	2118308-1	1513634-1	2118060-1	2040852-1 1775073-1
Key Product Features	• LTE world wide band antenna	• GPS molded stamped antenna	• WLAN dual band antenna assembly	• Large off-the-shelf offering of spring fingers/grounding products • Available in heights as low as 0.4mm and up to 7.0mm • Type: standard, side-protected, pre-loaded, ultra-low-profile • The preload function nearly doubles the working area of a common spring finger and increases contact force by 0.2N.
Applications	• All IoT applications using LTE function	• All IoT applications using GPS function	• All IoT applications using Wi-Fi dual band function	• Mobile phones • Wearable devices • Game consoles • Tablets • Patient monitoring devices • Security systems • GPS devices
Literature	RF Solution Antennas	RF Solution Antennas	RF Solution Antennas	Spring Finger Connectors

	Battery **Mobile Battery Connectors**	BOARD TO BOARD **0.5mm Fine Pitch Hermaphroditic Connectors**	BOARD TO BOARD **0.8mm Free Height Connectors**
Key Part No.	2108074-2 2134758-1 1932859-1	2291283-1	5084616-3 1-5177986-3
Key Product Features	• Centerline of 2.5mm–6.5mm • Various positions including 2, 3, 4, and 6 • Working height ranges from 0.4mm–6.7mm • Wide current rating from 1.5 Amperes to 5 Amperes	• Hermaphroditic "mates-to-self" design • Stack heights: 4mm • 24 and 30 positions are tooled, can be extended to 70 positions • High speed performance up to 8 Gbps • Operating temperature: -40°C - 125°C	• Stack heights from 4mm to 20mm • 40 - 440 positions • Polarized housings to prevent mis-mating • Locating posts for proper positioning • Tube, tray, or tape and reel packaging options
Applications	• Mobile Phones • PCs • Cameras • IoT • Other portable devices	• POS devices • Retail equipment • Networking • Instrumentation • Industrial controls • Medical equipment	• Data communications (servers/switches) • Consumer electronics (monitors, displays, projectors, HMI) • Automotive (Infotainment) • Industrial • Security
Literature	Mobile Battery Connectors	0.5mm Fine Pitch Hermaphroditic Connectors	0.8mm Free Height Connectors

TE connectivity

	FPC FPC Connectors	**CARD** Memory Card Connectors	**CARD** Micro SIM Card Connectors
Key Part No.	1-2328702-0 1-2328724-5	2201778-1	2822541-1
Key Product Features	• Pitch: 0.25mm to 1.25mm • Pin counts: 3 to 60 pins • Slant FPC insertion option to maximize PCB layout area • Low profile (less than 1mm) economical product offerings • Wide portfolio enabling high design flexibility with proven quality & reliability	• Anti-buckling design • Low profile • Wide portfolio and large capacity	• Connectors optimized for reliability • Anti-retention features in the contacts • Spherical contact points improve normal force
Applications	• Hand-held scanners • POS devices, set-top boxes, gaming consoles • Business equipment • Industrial controls, gas pumps, ATMs, slot machines • Medical equipment	• Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security	• Mobile phones • Tablets • Personal computers • Ultraportable devices • Data cards • Portable GSM modems • Servers
Literature	FPC Connectors	Memory Card Connectors	Micro SIM Card Connectors

	CARD Block SIM Card Connectors	**I/O** USB Type-C Connectors	**I/O** Modular Jacks
		5G	5G
Key Part No.	2287217-1	2305018-2	1734795-5
Key Product Features	• Large portfolio covering a wide range of styles and card sizes • Anti-retention features in the contacts • Pre-loaded contacts	• Standard USB 3.1 Gen2 • Real IP68 waterproof • 5A power rating • 5~10 Gbps data rate	• Panel ground and PCB ground • Standard RJ45 interface • Pitch: 1.02mm • PCB tail length: 2.4mm • Connector height: 11.3mm • Performance category: Cat3
Applications	• Mobile phones • Tablets • Personal computers • Ultraportable devices • Data cards • Portable GSM modems • Servers	• Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security	• Switches/routers • Servers/NIC • Consumer devices • Industrial control equipment
Literature	Block SIM Card Connectors	USB Type-C Connectors	Modular Jacks

5G These solutions are helping to unlock the potential of 5G. Our portfolio of 5G solutions and capabilities address key challenges faced by design engineers around the world.*

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TE connectivity