

- **Compliant with CF Specification 6.x**
- **Single Level Cell(SLC) NAND Type Flash Memory**
- **S.M.A.R.T. function support for Lifespan Monitoring**
- **Support Military Security Erase**
- **Support CFA VPG-20 Specification**
- **Industrial Test Process**
- **Available Upon Request - CID Product Name, Serial Numbers**
- **Support Hardware write protect function by slide switch (Optional)**
- **Power Down Data Protection ensures Data Integrity in case of Power Loss**
- **Supply Chain Stability and Fixed/Controlled BOM**



TS Connect Industrial CF Cards CFI-509 series are a High-Speed and Reliable CF Card designed for demanding Industrial applications, such as Aerospace, Surveillance, Military/Defense, Factory Automation Systems, Measuring Instruments, POS Systems, Medical Instruments and Game System.

TS Connect Industrial CF Cards CFI-509 series are built with SLC NAND Flash and capable of operating in temperatures range from -40° C to +85°C.

The series features High-Speed Data Access with effective Reading and Writing speed up to 80 MB/sec and 80MB/sec, respectively, and has a powerful Error-Correcting ability that can be extended up to 68 bit/1K ECC thereby achieving High Data Reliability. The product also enables the Erasing times of all Memory Blocks to be obtained as SMART (Self-Monitoring & Analysis Reporting Technology) information, allowing the Flash Lifespan to be evaluated and detected quantitatively. In addition, we support customers with a fixed BOM policy, ensuring both consistent Compatibility and Performance.

Technical Shortform Specification									
Electrical Data	Capacities:	1GB	2GB	4GB	8GB	16GB	32GB	64GB	
	NAND Type:	Single Level Cell (SLC)							
	Interface:	50-pin CompactFlash Type I							
	Transfer Mode:	Ultra DMA Mode 0-7 / Multi Word DMA Mode 0-4 / PIO mode 0-6							
	Data Transfer Rate:	Read: 80MB/s				Write: 80MB/s			
	DC Input Voltage:	3.3Vdc(±5%)/5.0Vdc(±10%)							
Environmental Data	Operating TEMP.:	Commercial: 0°C to +70°C				Industrial/MIL: -40°C to +85°C			
	Storage TEMP.:	-45°C to +90°C							
	Humidity:	RH 93% under +40°C				RH 95% under +55°C (In Operation)			
Reliability Data	MTBF:	3.000.000 Hours (at +25°C)							
	Insertions Reliability:	>10.000 Times Minimum							
	Altitude:	80.000 ft							
	Vibration/Shock:	High Capacity							
Mechanical	Dimensions (L x W x H):	42.8 x 36.4 x 3.3mm							
	Weight:	10g ±2g							
Certifications	Approvals:	CE / FCC / BSMI / RoHS							

* For Complete Datasheet and Drawing Please Contact TS Connect AB / Power Outlet