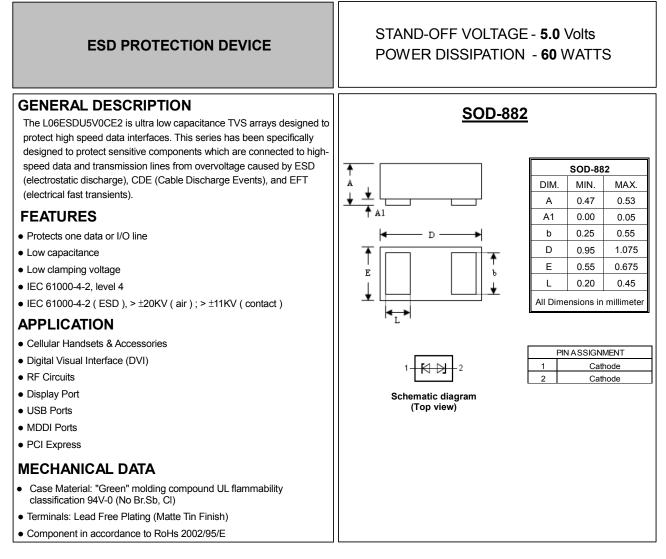


L06ESDU5V0CE2



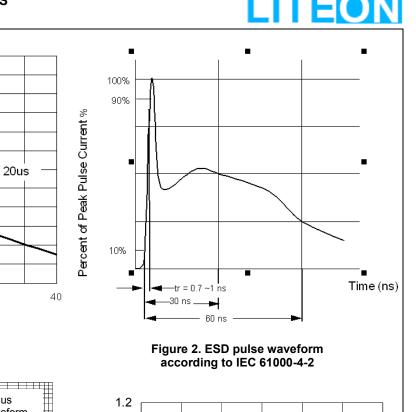
MAXIMUM RATINGS (Tj= 25°C unless otherwise noticed)

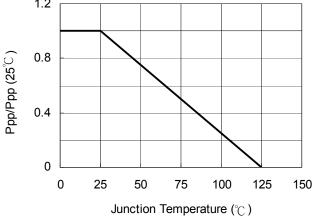
Rating	Symbol	Value	Unit
Peak Pulse Power (tp = 8/20us)	Ppk	60 (Max)	W
Peak Pulse Current (tp = 8/20us)	Ipp	2.5	А
Operating Junction Temperature Range	TJ	-55 to + 125	°C
Storage Temperature Range	Tstg	-55 to + 150	°C
Soldering Temperature, t max = 10s	T∟	260	°C

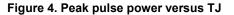
ELECTRICAL CHARACTERISTICS (Tj= 25°C unless otherwise noticed)

Parameter	Symbol	Conditions	MIn	Тур	Мах	Unit
Reverse standoff voltage	V _{RWM}				5.0	V
Breakdown voltage	VBR	IR = 1 mA	6.0			V
Reverse leakage current	Iгм	V _{DRM} = 5V			1	uA
Clamping Voltage	Vc	I_{PP} = 1A, tp = 8/20µs			14	V
Clamping Voltage	Vc	I_{PP} = 2.5A, tp = 8/20µs			25	V
Junction capacitance	CJ	V_R = 0V, f = 1MHz, Between I/O pins		0.3	0.5	pF
			•	REV. 2,	Oct-2012,	TSIR56

RATING AND CHARACTERISTIC CURVES L06ESDU5V0CE2







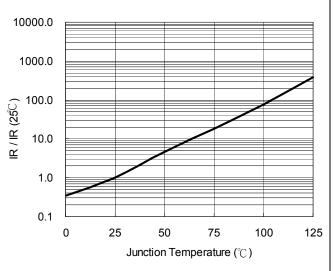
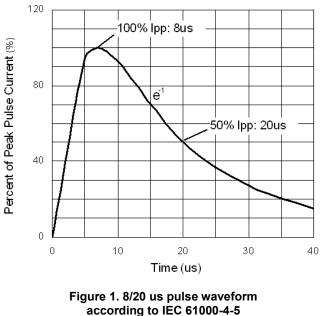


Figure 6. Reverse Leakage Current versus TJ



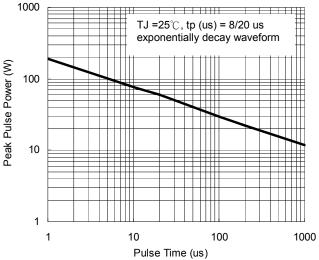
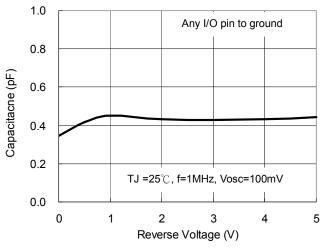
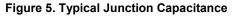
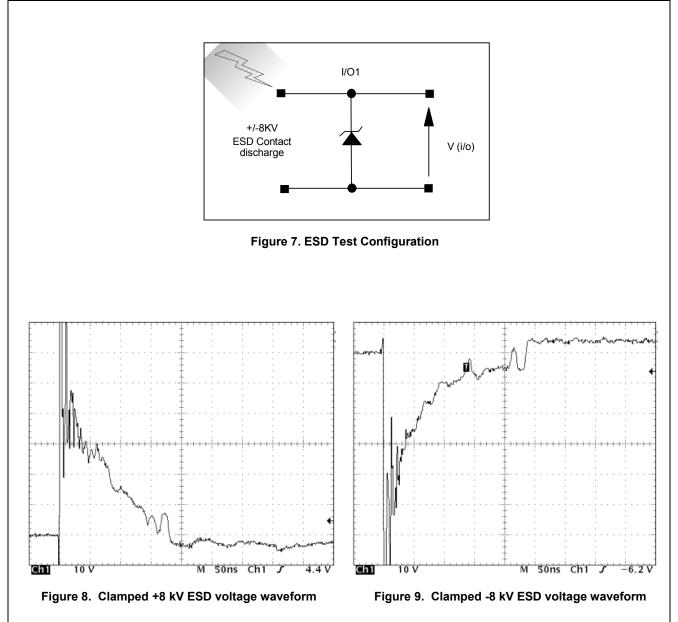


Figure 3. Power Dissipation versus Pulse Time

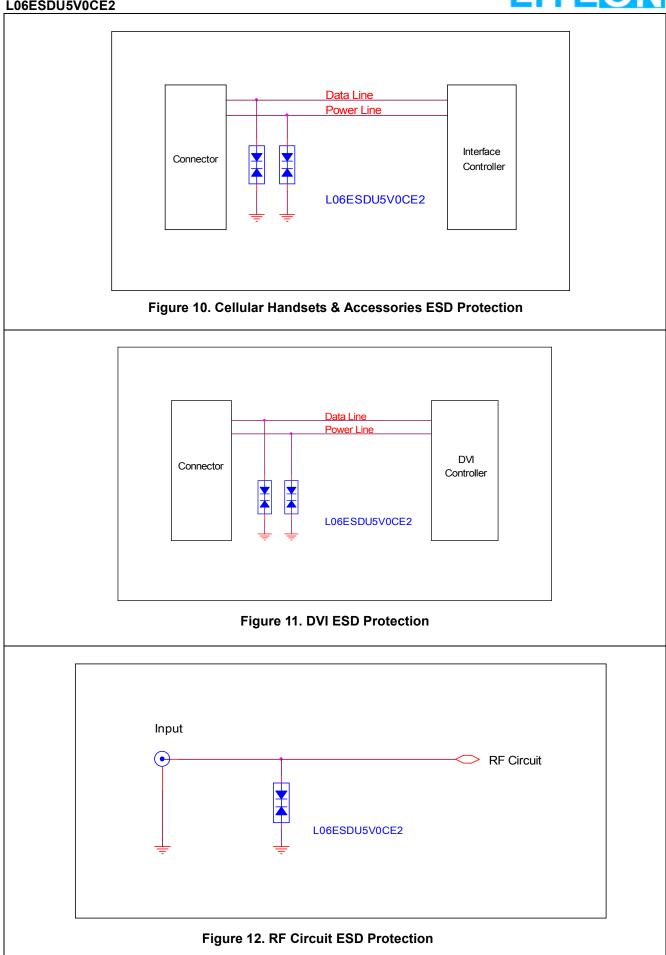




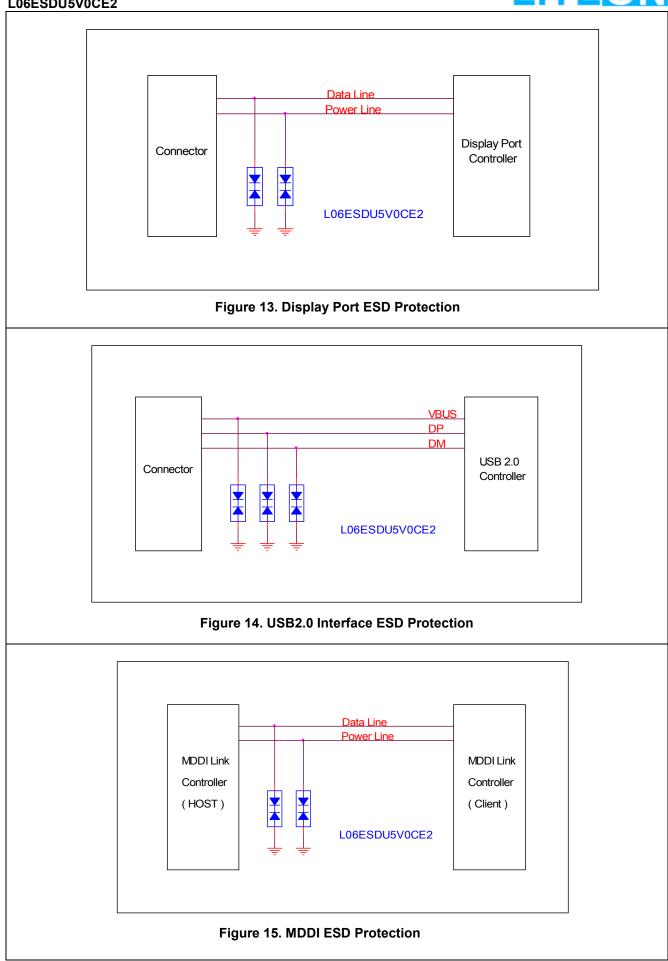














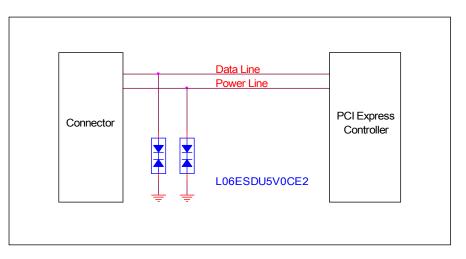
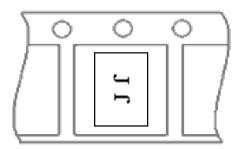


Figure 16. PCI Express ESD Protection



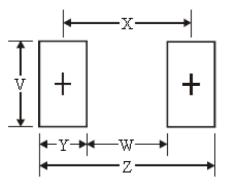
Marking & Orientation



Packaging Information

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
L06ESDU5V0CE2	10K	7	150K	300K

SOD-882 Soldering Pad Layout



Dim.	Millimeters	Inches
Ζ	1.30	0.051
Х	0.75	0.029
W	0.20	0.007
Y	0.55	0.021
V	0.80	0.031



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