

REVISIONS

REV.	DESCRIPTION	ECO #	DATE	APPROVED

EMI Tests:

1. While cable has an inner shield that is grounded to CGND (Chassis) at both sides of the cable, the performances of the shield will comply with 30 dB above 30 MHz.
2. Additional overall shield that will be connected (360°) to the connector shell, at both sides of the cable, will provide about 20 ÷ 30 dB shielding effectiveness.

Electrical Specification:

Maximum Working Current – see Table 1

Pins	Maximum Working Current
1,3,4,5,6,9,11,12,13,14,15,16,17,19,26,27,28,29,30,31	10Adc
2,7,8,10,18,20,21,22,23,24,25	1.5Adc

Table 1

Working Voltage – see Table 3

Dielectric Withstanding Voltage – see Table 2

Pins	Dielectric Withstanding Voltage
15,27,28,29	750Vdc @ 5sec
1,2,3,4,5,6,7,9,11,12,13,14,17,18,19,20,21,22,23,24,25,26,30,31	500Vdc @ 5sec

Table 2

Typical Capacitance – see Table 3

Attenuation per MIL-STD-220A (In 50Ω System No Load) – see Table 3

Pins	Capacitance, pF ±10%	Working Voltage, Vdc	Filter	Attenuation, dB					
				1MHz	10MHz	30MHz	100MHz	300MHz	1GHz
1,3,4,5,6,9,11,12,13,14,17,19,26,30,31	9400	200	Pi	2	18	43	55	56	49
2, 18	100	200	C	-	-	-	2	27	30
7	47	200	C	-	-	-	-	19	37
2(Sh), 7(Sh), 18(Sh)	Resistor 0Ω to GND			-	-	-	-	-	-
8, 10	Resistor 0Ω to GND			-	-	-	-	-	-
15,27,28,29	4400	500	Pi(CMC)	0	10	30	55	58	52
16	Resistor 0Ω to GND			-	-	-	-	-	-
20(P), 21(P)	94	200	Pi(CMC)	0	5	8	12	20	35
20(N), 21(N)	94	200	Pi(CMC)	0	5	8	12	20	35
22(P), 23(P)	940	200	Pi	0	1	8	27	66	46
22(N), 23(N)	940	200	Pi	0	1	8	27	66	46
24, 25	9400	200	Pi	2	18	43	55	56	49
24(Sh), 25(Sh)	Resistor 0Ω to GND			-	-	-	-	-	-

Table 1

DRAFT

Environmental Specification

Temperature -55°C to +125°C
 Shock 40g @ 6 msec
 Vibration 10g RMS @ 50 to 2000 Hz
 Humidity Up to 95%

RF Immunity LTD		NAME & SIGNATURE	DATE
VIEW	TITLE: CD	NIR NISSIM	03.04.06
	FILTER CONNECTOR RECEPTACLE, 20-31PN	CHECKED	DESIGN
DIM. IN mm		PA	APPROV.
SCALE NONE	DWG. NO.: BLM592	REV. 3	SHEET 2 OF 2 GEN. TOL. ±XX