

The Panther Series
ED103 - MIDI2SDS

RESISTORS	Qty	X	X	Designator
1K5 0.5W 1% Metal Film	1			R104
10K 0.5W 1% Metal Film	2			R101, R102
10R 0.5W 1% Metal Film	1			R151
15K 0.5W 1% Metal Film	1			R108
220R 0.5W 1% Metal Film	1			R103
5K 25-Turn Trimpot	2			P101, P151
4 x 10K Commoned Resistor Network	1			RN102
8 x 2K2 Commoned Resistor Network	1			RN101

CAPACITORS	Qty	X	X	Designator
100nF Decoupling Capacitor	6			C101, C102, C103, C104, C152, C154
10uF 25V Electrolytic	2			C151, C153

SEMICONDUCTORS	Qty	X	X	Designator
1N4004 200V 1A Diode	2			D151, D152
1N4148 Signal Diode	1			D101
3mm Red Flat-top LED	8			D102, D103, D104, D105, D106, D107, D108
6N138 - Opto-coupler	1			U103
78L05 5V 100mA Regulator	1			U104
79L05 5V 100mA Regulator	1			U105
Single bead inductor	2			L101, L102
ATMEGA8-16PI	1			U101
MAX529 Octal 8-bit DAC	1			U102
16MHz Crystal Oscillator Module	1			X101

HARDWARE	Qty	X	X	Designator
ED103 - MIDI2SDS(X) Front Panel	1			
SPDT Pushbutton Switch RA-PCB (ON-MOM)	1			S101
4-way DIP Switch	1			S102
16-way IDC RA Box Header	4			J301, J302
16-way IDC Box Header	1			J151
8-pin IC Socket 0.3"	1			U103
20-pin IC Socket 0.3"	1			U102
28-pin IC Socket 0.3"	1			U101
5-PIN DIN Panel Round Socket	1			J102
3.5mm Mono PCB Jack Socket	8			
16-way IDC Socket Housing	4			
16-WAY IDC Ribbon Cable (per cm)	12			

ED103 PCB Set	Qty	X	X	Comments
ED103 - MIDI2SDS PCB	1			
Panther Carrier PCB Rev 1.1	1			
Panther Jack/Switch PCB	2			