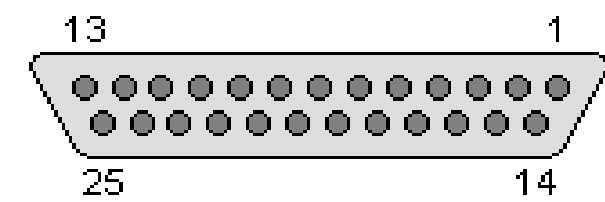


NOTES:

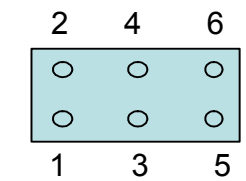
1. Use PCB part number 101-0344-02 PCB.
2. CAUTION:
Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
3. Pin #1 (VDD - brown wire) of ribbon cable wire to be connected to external supply.

Cable Assembly used on the 102-0416-03 BOM

25-pin parallel connector
 D-Sub Connector Plug: Mouser 156-1225
 D-Sub Connector Hood: Mouser 156-2025



6-pin connector
 6 Pin Connector: Digikey 609-2841-ND



DSA Pin Name	Parallel Connector Pin #	Ribbon Cable wire #'s	6-pin connector pin #'s
VDD	NC	1	1
CTL1	2	3	3
CTL2	3	5	5
NC	NC	NC	2,4
GND	21	6	6

Cable is 1-meter long
 Ribbon Cable, 16 Conductor: Mouser 517-3302/16FT (1 ft.length)

UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES AND APPLY TO THE FINISHED PART TOLERANCES ARE: FRACTIONS: DECIMALS XX ± .01 .XXX ± .005 DO NOT SCALE DRAWING		CONTRACT NO.		Peregrine Semiconductor 9380 Carroll Park Drive San Diego, CA 92121	
DRAWN Jeff Lundy		DATE 5-8-09			
ENGINEER Robert Greene		DATE 5-8-09		Schematic, 2 Bit DSA, 3mm 12ld SLP EK	
CHECKED		DATE			
APPROVED		DATE		SIZE B	CAGE CODE
ISSUED		DATE		DWG NO. 102-0416	REV 03
SIMILAR TO		MARKING SYMBOL		SCALE: NONE	DATE
				Sheet 1 of 1	

Item	Qty	Reference	Value	Description	Manufacturer	Manufacturer Part Number	Distributor	Distributor Part Number	Data Sheet	Notes
1	2	C3-4	CAP_10PF_25V_5%_0402_10PF.±5%	CAP_CER_10PF_25V_NP0_0402	AVX		Digi-Key	04023A100JAT2A-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail?name=04023A100JAT2A-ND	
2	1	C1	CAP_NP_0.1µF±10%	Capacitor_Ceramic_0.1µF_35V_+/- 10%_0402_X5R	TAIYO YUDEN		Digi-Key	587-1994-1-ND	http://www.yuden.co.jp/ut/product/capacitor/GMK105B1104KV-F.html	
3	1	C2	CAP_NP_100pF ±5%	PAN SMD Capacitor_Ceramic_100pF_50V_NP0_+/- 5%_0402	Panasonic - ECG		Digi-Key	PCC101ACVTR-ND	http://www.panasonic.com/industrial/components/pdf/abj0000ce1.pdf	
4	1	U1	HEADER_3X2_HEADER_3X2	CONN HEADER_100 DUAL STR 72POS	Sullins Electronics Corp.		Digi-Key	S2021-36-ND	http://rocky.digikey.com/WebLib/Sullins/Web%20Data/FZC36DABN.pdf	Cut to 6 Pin Header .100
5	1	U1	PE43203	2 Bit_50 Ohm DSA_3mm_12 lead	Peregrine Semiconductor					
6	2	R1-2	R_0 OHM ±5%	PAN SMD Thick Film Chip Resistor_0 Ohm_1/16W_+/-5%_RoHS_0402	Panasonic - ECG		Digi-Key	P0_0JTR-ND	http://www.panasonic.com/industrial/components/pdf/AOA0000CE2.pdf	
7	4	J2-5	SMA_CONNECTOR_(SIDE_MOUNT)_SMASM	SMA 500 END LAUNCH JACK RECEPTACLE-ROUND CONTACT	Johnson Components Inc.		Digi-Key	J502-ND	http://rocky.digikey.com/WebLib/Johnson%20Components/Web%20Data/142-0701-801.%20142-0701-806.pdf	
8	2	S1-2	SW_SS14MDP2_SS14MDP2	NKK Switches_SP3T_Rocker Switch_RD STR PCB_RoHS	NKK Switches		Digi-Key	360-2135-ND	http://www.nkkswitches.com/pdf/GW.pdf	
9	1		101-0344-02	2 BIT DSA_3MM 12 LEAD SLP						
10	1		25 Pin	D-SUB CONNECTOR PLUG	Kobiconn		MOUSER	156-1225	http://www.mouser.com/Search/ProductDetail.aspx?qs=sGAEpiMZZMu857ZbCGHt0MvGyBVV%252bd2vKJ2JE78g%3d	
11	1		25 Pin	D-SUB CONNECTOR HOOD	Kobiconn		MOUSER	156-2025	http://www.mouser.com/Search/ProductDetail.aspx?qs=sGAEpiMZZMu857ZbCGHt18A6T6FLHmKPKMYvP3Uebk%3d	
12	1		5 Pin	Connector	PCI		Digi-Key	609-2841-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=609-2841-ND	
13	1		16 Conductor	Ribbon Cable	3M		MOUSER	517-3302/16ft	http://www.mouser.com/Search/ProductDetail.aspx?qs=sGAEpiMZZMfROZa%252b%252bXW0aQ7Li2VSOZan	