



Title:	Pegasus RD1-4320 DP Splitter
Document Number:	B0673-BOM-01C Bill Of Materials

#	Qty	Description	Value	Part Number	Manufacturer	PCB Footprint	Part Reference
0	1	Bare PCB		400-657 Rev.A		4 Layers, RED, 0.062 inches	
Connectors							
1	1	USB Micro-B Receptacle		0476420001	Molex	MOLEX/47642-001	CN301
2	3	Standard DisplayPort Connector		47272-0001	Molex	MOLEX/SD-47272-001	CN401 CN801 CN901
3	2	0.1" 4x1 Header		640456-4	Tyco	CONFL-04/REV	CN501 CN701
4	2	RCA Jack x1 (Yel)		RCJ-024	CUI	CUI/RCJ-02X	CN1001 CN1002
Caps							
6	2	Ceramic	1uF	08053C105KAT2A	AVX	0805	C305 C627
	58	Ceramic	0.1uF	C0402C104K8RACTU	kemet	0402	C308 C315 C316 C317 C401 C402 C403 C404 C405 C406 C407 C408 C409 C410 C501 C502 C503 C507 C513 C514 C520 C613 C614 C620 C621 C624 C801 C802 C803 C804 C805 C806 C807 C808 C810 C811 C812 C813 C814 C815 C820 C901 C902 C903 C904 C905 C906 C907 C908 C910 C911 C912 C913 C914 C915 C921 C1001 C1002
7	14	Ceramic	10uF	GRM21BR61E106KA73L	Murata	0805	C309 C310 C311 C312 C313 C314 C601 C606 C608 C615 C622 C628 C651 C655
8	1	CAP CER 22uF 6.3V 20% X5R 0805	22uF	ECJ-2FB0J226M	Panasonic - ECG	0805	C318
9	3	Ceramic	22pF	C1005C0G1H220F	Kemet	0402	C504 C509 C510
10	1	Tantalum	47uF	TAJCA476K010RNJ	AVX	6032	C508
11	9	Ceramic	0.47uF	GRM155F51C474ZA01D	Murata	0402	C602 C603 C609 C612 C616 C623 C631 C632 C637
12	5	Ceramic	0.01uF	GCM155R71H103KA55D	Murata	0402	C605 C611 C617 C635 C636
13	1	Ceramic	1.0uF	UMK107BJ105KA-T	Taiyo Yuden	0603	C629
14	2	CAP CER 22uF 6.3V 20% X5R 0805	22uF	C2012X5R0J226M125AC	TDK	0805	C650 C652
15	2	CAP CER 47uF 6.3V 20% X5R 1206	47uF	JMK316BJ476MD-T	Taiyo Yuden	1206	C809 C909
16	2	Ceramic	10pF	C0402C100J5GACTU	Kemet	0402	C816 C916
Diodes, Ferrites, Fuses							
17	1	LED THIN 565 nm GRN DIFF		SML-LXT0805GW-TR	LumexOpto/Components Inc.		D301
18	11	HSP061, ESD		HSP061-4NY8	STMicroelectronics		D904
19	2	ESD, 8.5V		ESDAVLC8-1BU2	STMicroelectronics		D805 D906
	1	Fuse Slim SLO-BLO 1A, 63V		0468001.NR	Littlefuse	1206	F301
20	1	Fuse PTC Reset 24V .20A		1206L020YR	Littlefuse	1206	F501
21	2	120 ohms @ 100MHz, 2A		BLM18PG121SN1D	Marata Electronics	0603	FB601 FB604
Headers							
22	4	Test Point		151-203-RC	KOBICONN		TP301 TP302 TP303 TP304
Inductors							
24	2	Power Inductor 3.3uH		RLF7030T-3R3M4R1	TDK Corp		L301 L302
Resistors							
	1	1%, 1/10W SMD Resistor	31.6K	ERJ-3EKF3162V	Panasonic - ECG	0603	R307
	7	1%, 1/10W SMD Resistor	10K	ERJ-3EKF1002V	Panasonic - ECG	0603	R308 R309 R504 R505 R513 R813 R913
1	1	1%, 1/10W SMD Resistor	20K	ERJ-3EKF2002V	Panasonic - ECG	0603	R310
2	1	1%, 1/10W SMD Resistor	24.9K	ERJ-3EKF2492V	Panasonic - ECG	0603	R311
3	1	RES 49.9K OHM 1/10W 1% 0603 SMD	49.9K	ERJ-3EKF4992V	Panasonic - ECG	0603	R312
4	1	1%, 1/10W SMD Resistor	330	ERJ-3EKF3300V	Panasonic - ECG	0603	R320
5	4	RES 1M OHM 1/10W 5% 0402 SMD	1M	ERJ-2GEJ105X	Panasonic - ECG	0402	R401 R409 R410 R411
6	2	RES 10K OHM 1/10W 5% 0402 SMD	10K	ERJ-2GEJ103X	Panasonic - ECG	0402	R402 R407
7	1	RES 10 OHM 1/10W 5% 0402 SMD	10R	ERJ-2GEJ100X	Panasonic - ECG	0402	R403
8	2	RES 20.0 OHM 1/10W 1% 0402 SMD	20	ERJ-2RKF20R0X	Panasonic - ECG	0402	R404 R405
9	1	RES 100K OHM 1/10W 5% 0402 SMD	100K	ERJ-2GEJ104X	Panasonic - ECG	0402	R406
10	8	RES 100K OHM 1/10W 1% 0402 SMD	100K	ERJ-2RKF1003X	Panasonic - ECG	0402	R412 R413 R414 R415 R416 R417 R418 R419
11	4	1%, 1/10W SMD Resistor	249 1%	ERJ-2RKF2490X	Panasonic - ECG	0402	R501 R502 R508 R510
12	1	1%, 1/10W SMD Resistor	3K	ERJ-3EKF3001V	Panasonic - ECG	0603	R503
13	14	1%, 1/10W SMD Resistor	4.7K	ERJ-3EKF4701V	Panasonic - ECG	0603	R507 R701 R704 R706 R707 R709 R711 R713 R715 R716 R815 R816 R915 R916
14	7	1%, 1/10W SMD Resistor	1M	ERJ-3EKF1004V	Panasonic - ECG	0603	R520 R804 R805 R806 R904 R905 R906
15	4	1%, 1/10W SMD Resistor	100K	ERJ-3EKF1003V	Panasonic - ECG	0603	R811 R812 R911 R912
16	2	5%, 1/10W SMD Resistor	0.00	ERJ-3GEY0R00V	Panasonic - ECG	0603	R814 R914
17	4	RES 4.70K OHM 1/10W 1% 0402 SMD	4.7K	ERJ-2RKF4701X	Panasonic - ECG	0402	R820 R821 R922 R923

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18	2	1%, 1/10W SMD Resistor	180	ERJ-3EKF1800V	Panasonic - ECG	0603	R1001 R1003
19	2	1%, 1/10W SMD Resistor	75.0	ERJ-3EKF75R0V	Panasonic - ECG	0603	R1002 R1004
Switches							
	1	TACT MOM 130GF H=5MM		PTS635SL50LFS	C&K ITT		SW501
ICs							
	2	ST1S06-ADJ		ST1S06PUR	STMicroelectronics		U301 U302
	1	Pegasus STDP4320, Splitter		STDP4320	Kinetic Technologies		U601
	2	STG719, Single Switch		STG719STR	STMicroelectronics		U801 U901
	2	TS5A23157, Dual Switch		TS5A23157DGSR	TI		U802 U902
	2	PCA9509D, I2C Level Shifter		PCA9509DP	NXP		U803 U903
	2	STMP52171, 1000mA		STMP52171STR	STMicroelectronics		U806 U906
	2	7SZ125, Driver		NC7SZ125P5X	Fairchild Semi		U1001 U1002
	1	SST25VF020B, SPI Flash, 2Mbits, SO8, 80MHz		SST25VF020B-80-4I-SAE	Microchip technologies		U1003
Crystal							
57	1	27.000MHz Crystal		ECS-270-20-33-TR	ECS Inc		Y501