

FE-I4 Board Order Status and Additional Purchase List

ILSOO SEONG

Assembly Order Status (fabrication of board is done two weeks ago)

- Finally assembly order has been completed on Feb 18:

The assembly company ordered parts for boards and estimated ship date to us is 3/5/2015

I asked a photo after completed a board, but I didn't receive any thing yet.

(contact them?)

Note for Copper Plate

- LV Power connector is place nearby copper plate

- Peter measured some capacitance, ~nF.

Note for Chip's Support Plate

- Through the screw of the support plate with inner layer of the board, there is connection:

With GND : ~1 ohm

With PWR : 2.76k ohm

And.. HitOr(?)...

Other Purchase List

- LV Power Connector female side

- pins for LV power connector

- Jumper connector

- Wires for LV Power inside of vessel

- Lemo cables

We have few of them for ~10 boards

We have also, but it's PVC cable

We have few for ~6 boards

LV Power Connector

[Product Index](#) > [Connectors, Interconnects](#) > [Rectangular Connectors - Housings](#) > [Molex Inc 0436450200](#)

All prices are in US dollars.				
Digi-Key Part Number	WM1845-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 78,900 Can ship immediately	1	0.34000	0.34
		10	0.32100	3.21
		25	0.27480	6.87
Manufacturer	Molex Inc	50	0.23360	11.68
Manufacturer Part Number	0436450200	100	0.22440	22.44
		250	0.20152	50.38
Description	CONN RECEPT 2POS 3MM SINGLE ROW	500	0.19236	96.18
		1,000	0.16030	160.30
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	2,500	0.14656	366.40



Quantity Item Number ? Customer Reference

Jumper Connector for SJ3

[Product Index](#) > [Connectors, Interconnects](#) > [Shunts, Jumpers](#) > [Sullins Connector Solutions SPC02SXIN-RC](#)

All prices are in US dollars.				
Digi-Key Part Number	S9343-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 19,644 Can ship immediately	1	0.26000	0.26
		10	0.16000	1.60
		25	0.11320	2.83
Manufacturer	Sullins Connector Solutions	50	0.09280	4.64
Manufacturer Part Number	SPC02SXIN-RC	100	0.07980	7.98
		250	0.06744	16.86
Description	CONN JUMPER SHORTING .100" GOLD	500	0.06236	31.18
		1,000	0.05510	55.10
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	2,500	0.04350	108.75



Quantity Item Number ? Customer Reference

Pins for LV Power Supple

[Product Index](#) > [Connectors, Interconnects](#) > [Rectangular Connectors - Contacts](#) > [Molex Inc 0430300002](#)

		All prices are in US dollars.		
Digi-Key Part Number	WM1125CT-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 158,721 Can ship immediately	1	0.21000	0.21
		10	0.19900	1.99
		25	0.14840	3.71
Manufacturer	Molex Inc	50	0.12700	6.35
Manufacturer Part Number	0430300002	100	0.12280	12.28
		250	0.10588	26.47
Description	CONN TERM FEMALE 20-24AWG GOLD	500	0.10164	50.82
		1,000	0.08894	88.94
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	2,500	0.08046	201.16



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

Quantity Item Number [?](#) [WM1125CT-ND](#) Customer Reference

[Product Index](#) > [Connectors, Interconnects](#) > [Rectangular Connectors - Contacts](#) > [Molex Inc 0430300001](#)

		All prices are in US dollars.		
Digi-Key Part Number	WM1837CT-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 567,168 Can ship immediately	1	0.14000	0.14
		10	0.13600	1.36
		25	0.10120	2.53
Manufacturer	Molex Inc	50	0.08680	4.34
Manufacturer Part Number	0430300001	100	0.08390	8.39
		250	0.07232	18.08
Description	CONN TERM FEMALE 20-24AWG TIN	500	0.06944	34.72
		1,000	0.06075	60.75
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	2,500	0.05497	137.42



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Quantity Item Number [?](#) [WM1837CT-ND](#) Customer Reference

LV Power Cable we are using now: PVC Cables

[Product Index](#) > [Cables, Wires](#) > [Single Conductor Cables \(Hook Up Wire\)](#) > **Alpha Wire 3055 BK005**

All prices are in US dollars.				
Digi-Key Part Number	A2064B-100-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 90 Can ship immediately Factory Stock  : 31	1	59.85000	59.85
		5	53.20000	266.00
		10	46.55000	465.50
		25	39.90000	997.50
		50	37.24000	1,862.00
Manufacturer	Alpha Wire	100	34.58000	3,458.00
Manufacturer Part Number	3055 BK005			
Description	HOOK-UP STRND <u>18AWG</u> BLACK 100'			
Lead Free Status / RoHS Status	Lead free / RoHS Compliant			



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

Quantity Item Number  [A2064B-100-ND](#) Customer Reference

[Product Index](#) > [Cables, Wires](#) > [Single Conductor Cables \(Hook Up Wire\)](#) > **Alpha Wire 3055 RD005**

All prices are in US dollars.				
Digi-Key Part Number	A2064R-100-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 55 Can ship immediately Factory Stock  : 68	1	59.85000	59.85
		5	53.20000	266.00
		10	46.55000	465.50
		25	39.90000	997.50
		50	37.24000	1,862.00
Manufacturer	Alpha Wire	100	34.58000	3,458.00
Manufacturer Part Number	3055 RD005			
Description	HOOK-UP STRND <u>18AWG</u> RED 100'			
Lead Free Status / RoHS Status	Lead free / RoHS Compliant			



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

Quantity Item Number  [A2064R-100-ND](#) Customer Reference

LV Power Cable we are using now: PTFE Cables

[Product Index](#) > [Cables, Wires](#) > [Single Conductor Cables \(Hook Up Wire\)](#) > [Alpha Wire 5855 BK005](#)

All prices are in US dollars.				
Digi-Key Part Number	A5855B-100-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 54 Can ship immediately	1	104.36000	104.36
		5	92.76000	463.80
Manufacturer	Alpha Wire	10	81.16500	811.65
Manufacturer Part Number	5855 BK005	25	69.57000	1,739.25
Description	HOOK-UP STRND <u>22AWG</u> BLACK 100'	50	64.93200	3,246.60
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	100	60.29400	6,029.40

Quantity Item Number [?](#) Customer Reference



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

[Product Index](#) > [Cables, Wires](#) > [Single Conductor Cables \(Hook Up Wire\)](#) > [Alpha Wire 5855 RD005](#)

All prices are in US dollars.				
Digi-Key Part Number	A5855R-100-ND	Price Break	Unit Price	Extended Price
Quantity Available	Digi-Key Stock: 25 Can ship immediately	1	104.36000	104.36
		5	92.76000	463.80
Manufacturer	Alpha Wire	10	81.16500	811.65
Manufacturer Part Number	5855 RD005	25	69.57000	1,739.25
Description	HOOK-UP STRND <u>22AWG</u> RED 100'	50	64.93200	3,246.60
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	100	60.29400	6,029.40

Quantity Item Number [?](#) Customer Reference



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

LEMO Cable



1foot = ~ \$35

RG174 Specifications

The following are nominal values; if you have exact requirements th

Impedance	50 ohms
Inner Conductor Diameter	0.48 mm
Dielectric Diameter	1.52 mm
Shield Diameter	2.23 mm
Capacitance	100.0 pF/meter (30.5 pF/foot)
Minimum Operating Temperature	-40 C (-40.0 F)
Maximum Operating Temperature	75 C (167.0 F)
Jacket Diameter	2.79 mm
Jacket Material	PVC
Velocity Ratio	66%
Core	stranded
Related	RG-174 RG174A/U RG-174A/U

RG188 Specifications

The following are nominal values; if you have exact requirements th

Impedance	50 ohms
Capacitance	95.8 pF/meter (29.2 pF/foot)
Minimum Operating Temperature	-55 C (-67.0 F)
Maximum Operating Temperature	250 C (482.0 F)
Jacket Diameter	2.5 mm
Jacket Material	PTFE
Core	stranded
Related	RG-188