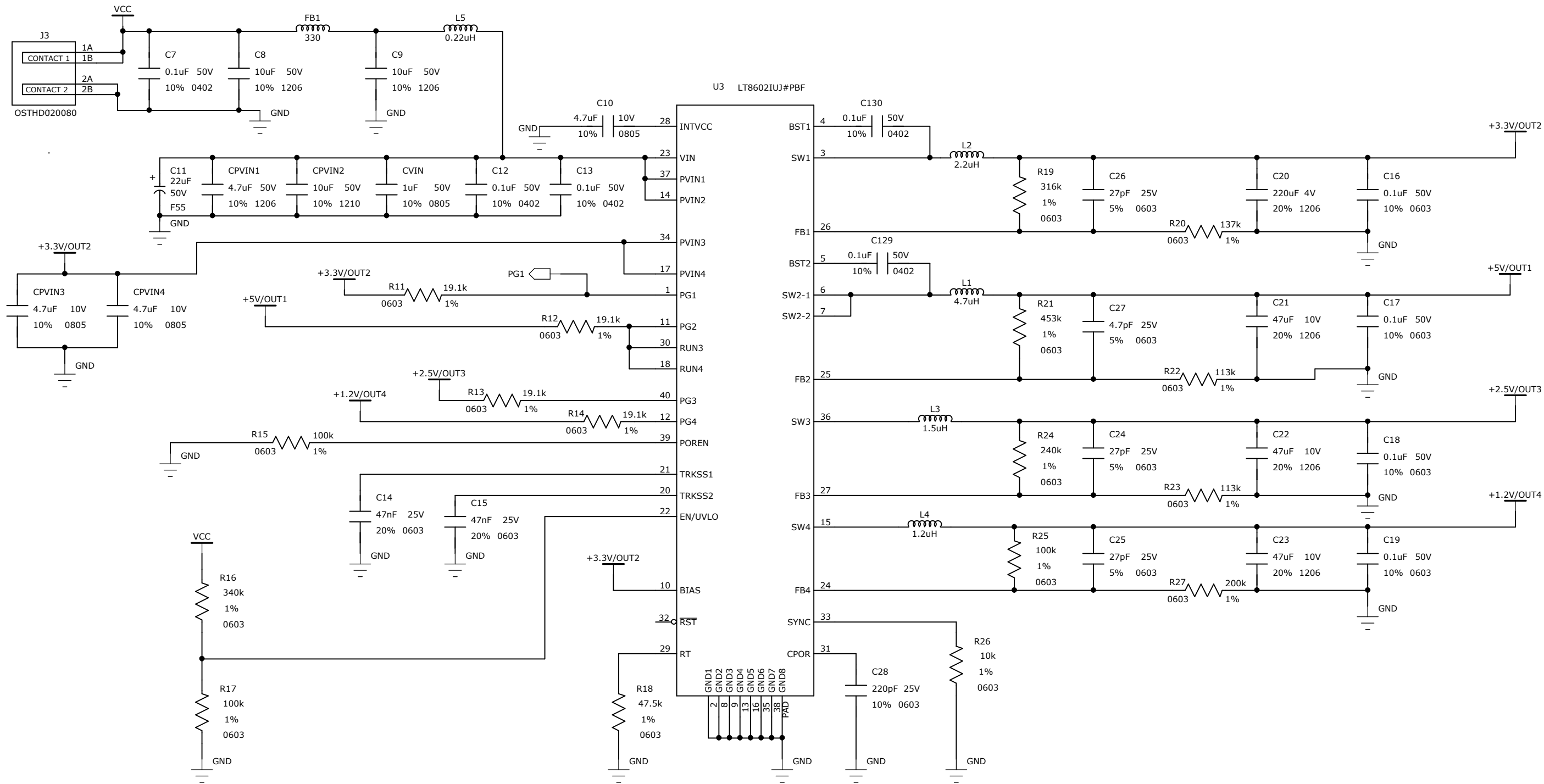


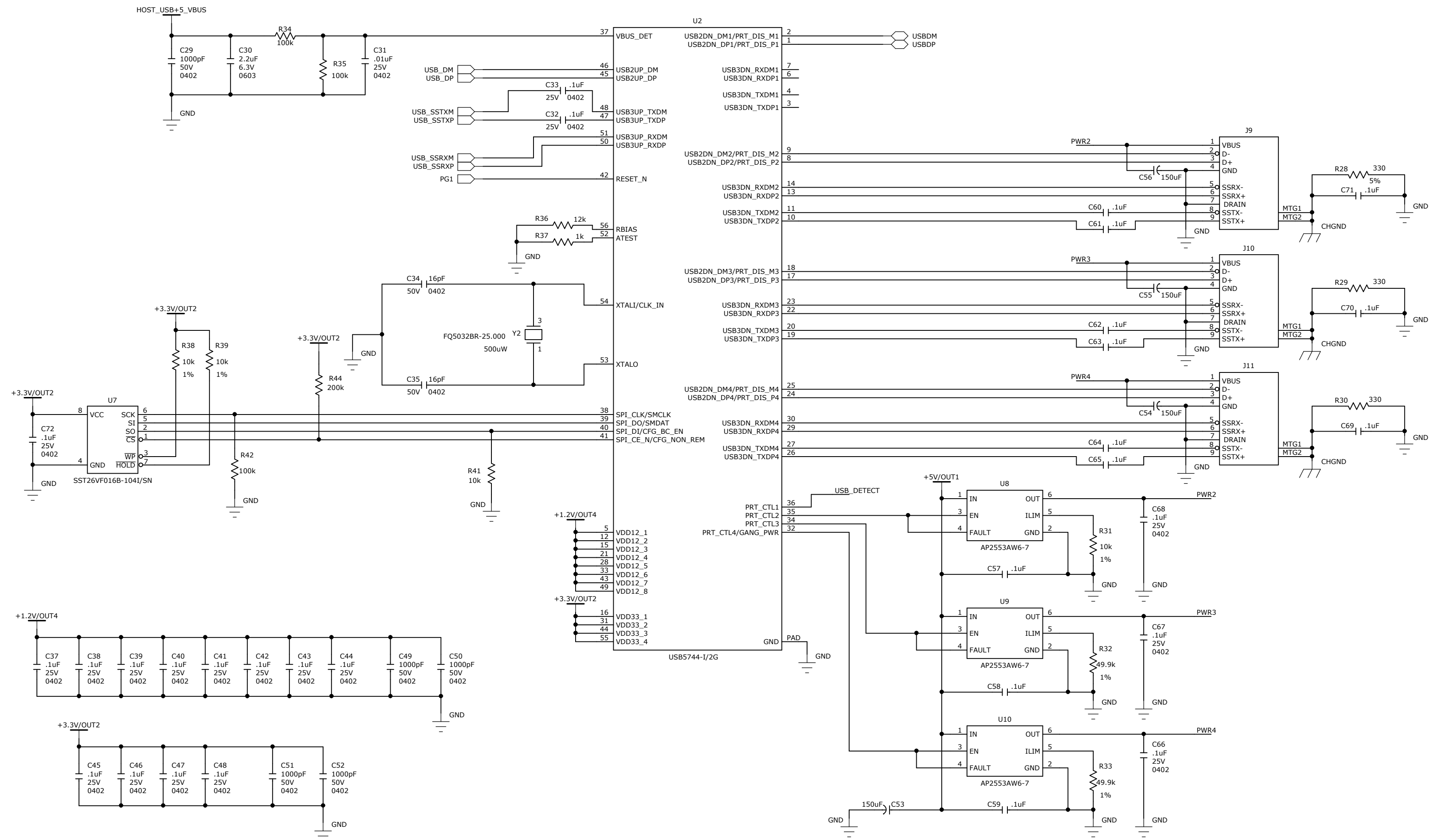
LT8602 Power Regulator



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				APPD BY: BS	DATE: 12/7/2015		
Zebra Docking Port Replicator PCB							
CAD FILE: 7150-0208		GAMBER-JOHNSON LLC 3001 BORHAM AVE., STEVENS POINT, WI 54481			DRAWING NUMBER 7150-0208 Sht 1 of 6		

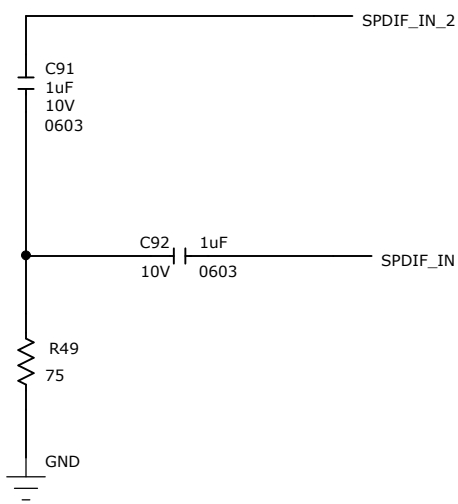
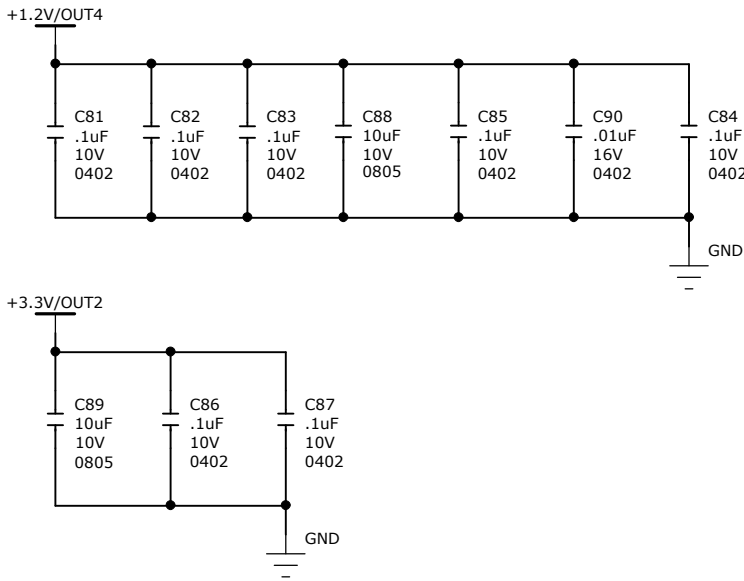
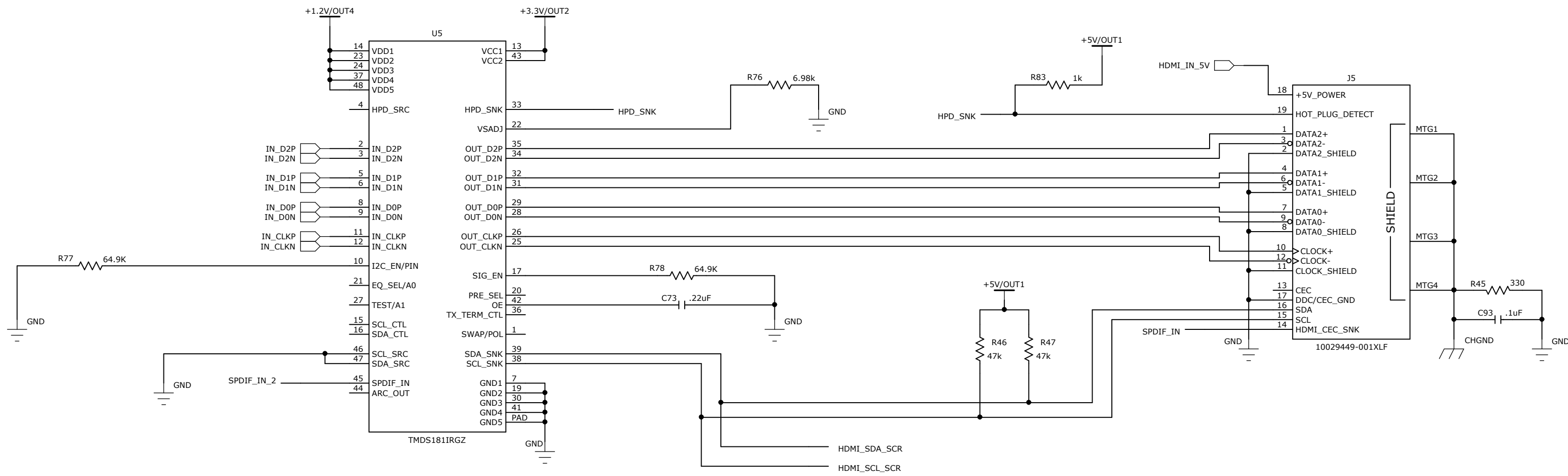
USB5744 IC



NOTES:

- Please be sure to use (25) power vias (thermal vias) in a 5x5 grid in the EDP (Exposed Die Paddle) pad underneath the USB7500i in order to connect the IC to your digital ground plane. Via drill hole should be a minimum of 16 mil or larger. Larger the better. Also use of full contact vias is recommended here.
- The following pin pairs must have 90 ohm impedance without any vias: UU0 pins 1 & 2, 8 & 9, 10 & 11, 13 & 14, 17 & 18, 19 & 20, 22 & 23, 24 & 25, 26 & 27, 29 & 30, 45 & 46, 47 & 48 and 50 & 51. This should hold true for both input signals to the device and the output to the USB Ports.

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				APPD BY: BS		DATE: 12/7/2015	
Zebra Docking Port Replicator PCB							
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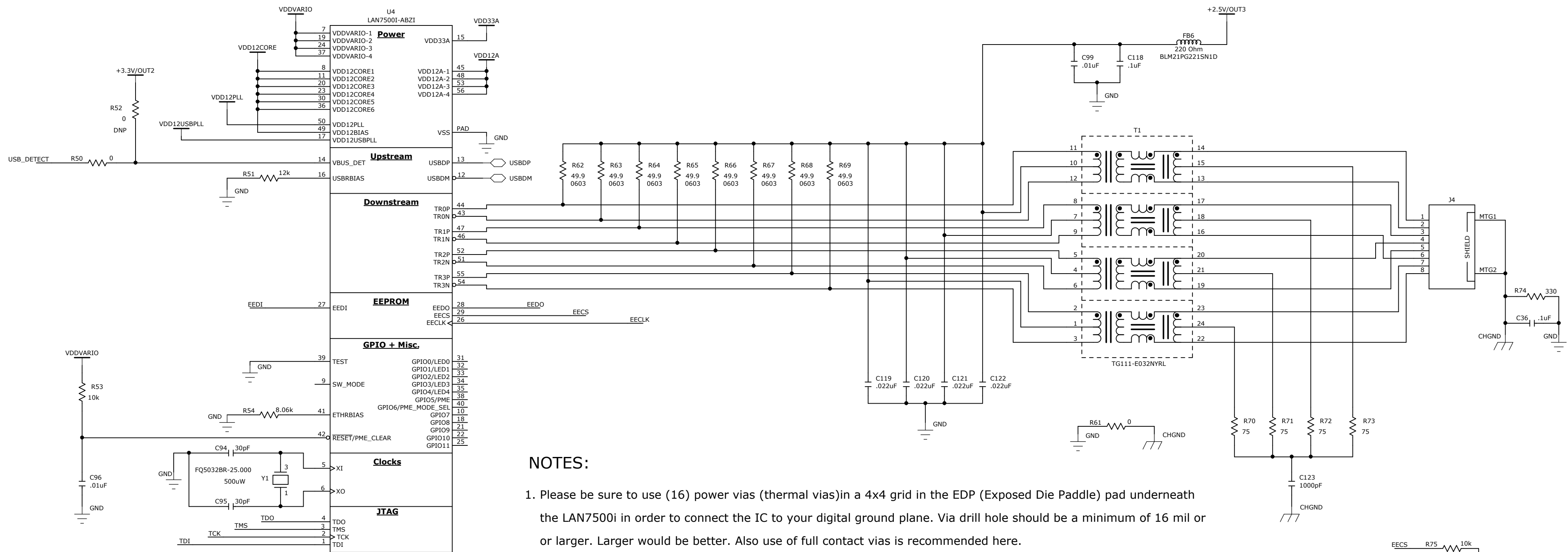


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Zebr Docking Port Replicator PCB							
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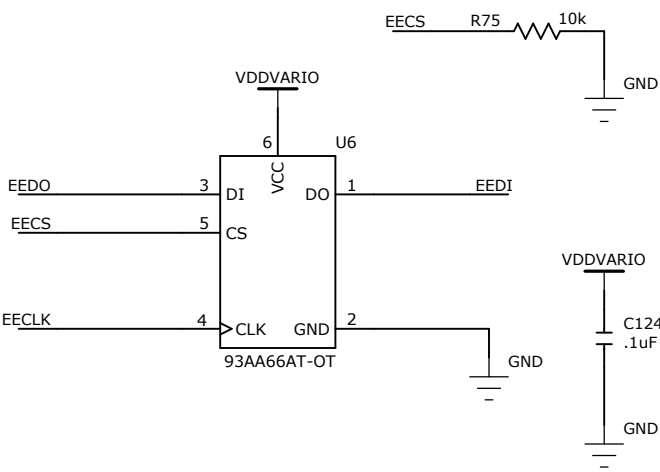
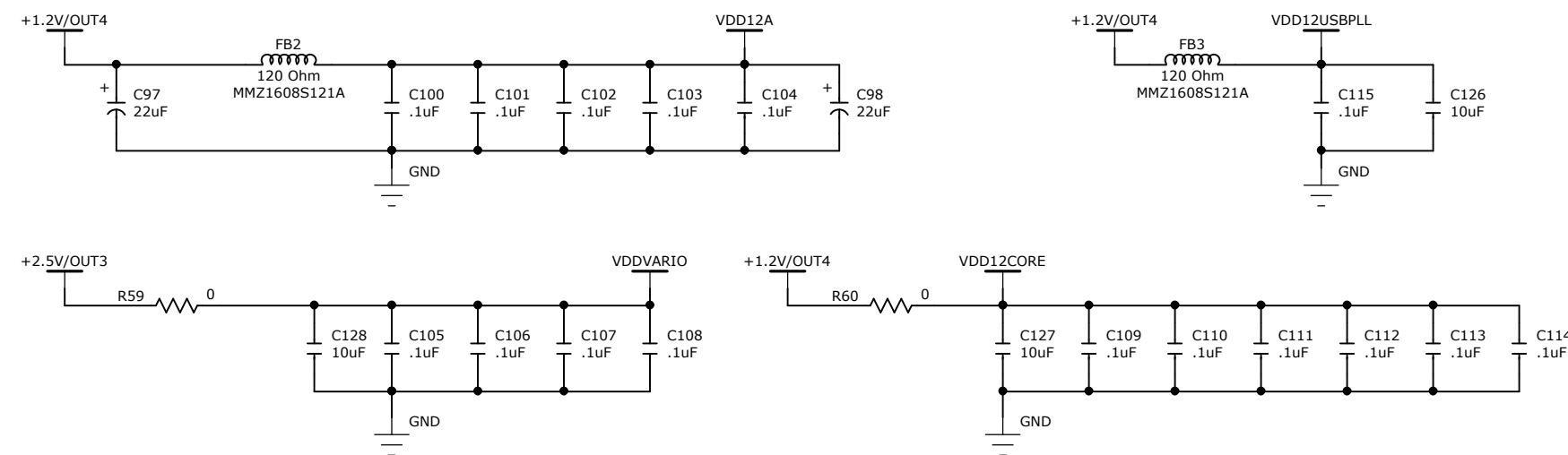
LAN7500 IC

7150-0208



NOTES:

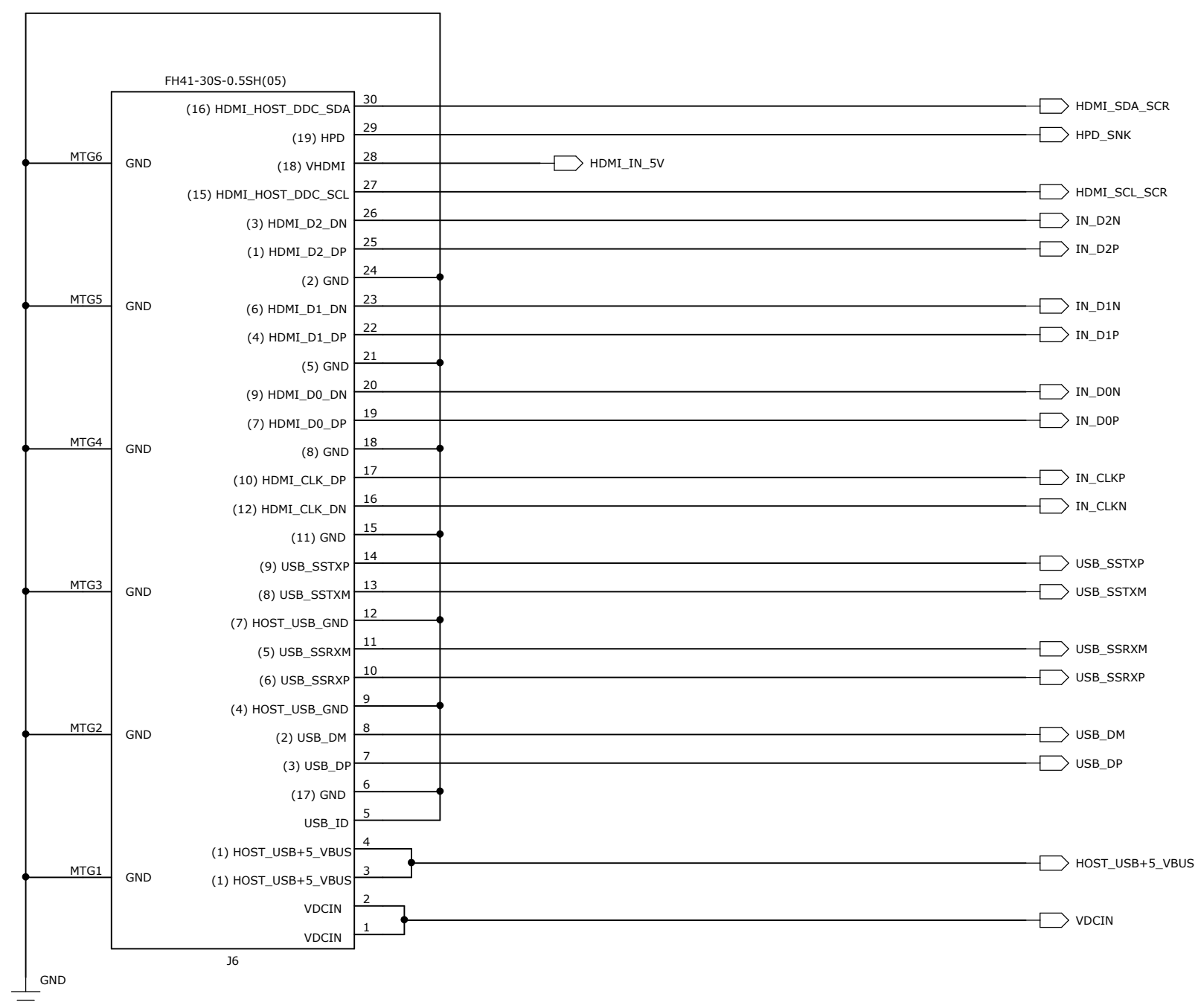
1. Please be sure to use (16) power vias (thermal vias) in a 4x4 grid in the EDP (Exposed Die Paddle) pad underneath the LAN7500i in order to connect the IC to your digital ground plane. Via drill hole should be a minimum of 16 mil or larger. Larger would be better. Also use of full contact vias is recommended here.
2. The following pin pairs must have 100 ohm differential impedance without any vias: U4 pins 43 & 44, 46 & 47, 51 & 52 and 54 & 54. This should hold true right through to the output at the RJ45 connector.
3. The following pin pair must have 90 ohm differential impedance without any vias: U4 pins 12 & 13. This should be maintained from USB5744 device to the LAN7500i device.



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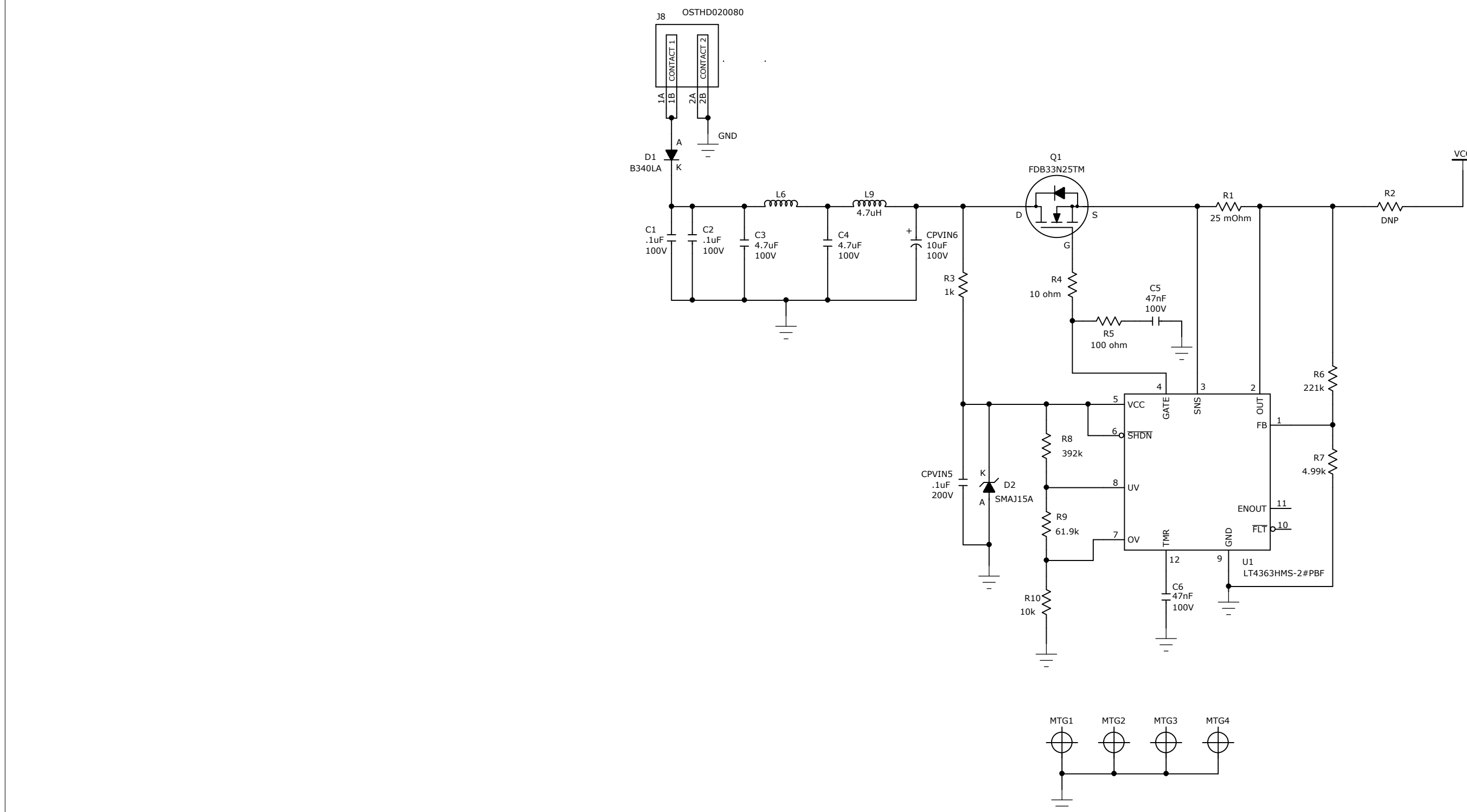
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Zebra Docking Port Replicator PCB			
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INTERCONNECT CONNECTOR



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