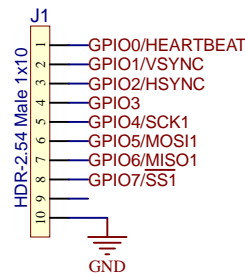
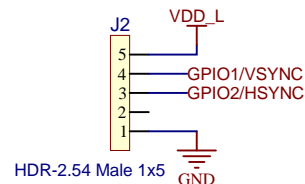


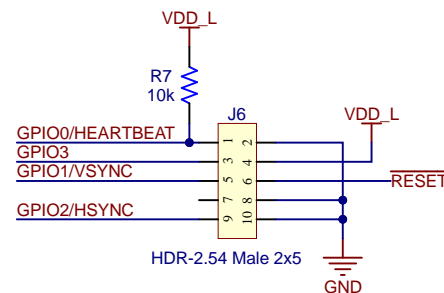
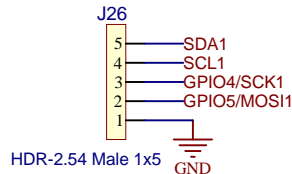
GPIOs



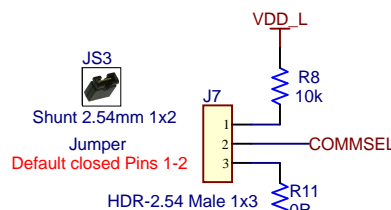
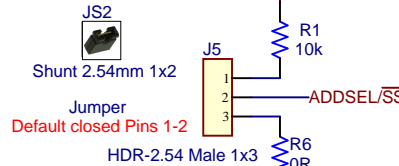
SYNC



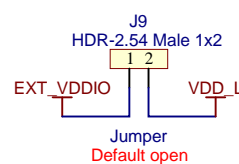
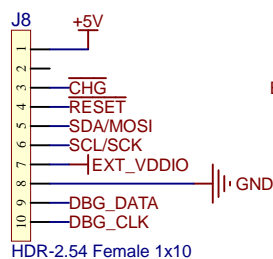
PWM



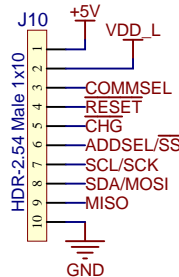
JTAG



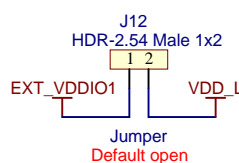
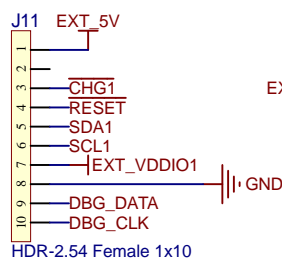
Ext Bridge Board Primary



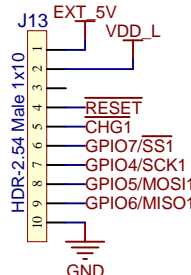
SPI Primary



Ext Bridge Board Secondary

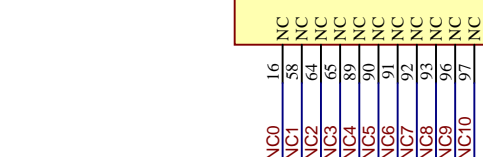
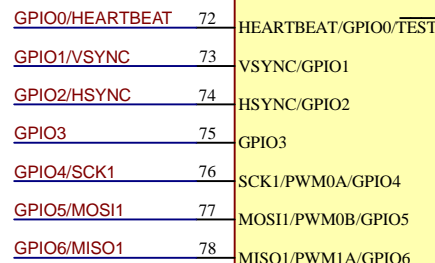
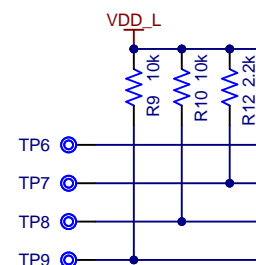


SPI Secondary

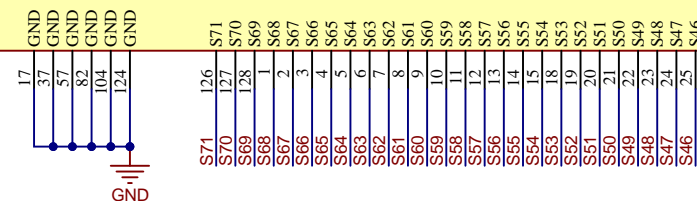


J27 must be closed if only the secondary bridge board is connected. Must be open if both primary & secondary bridge boards are connected.

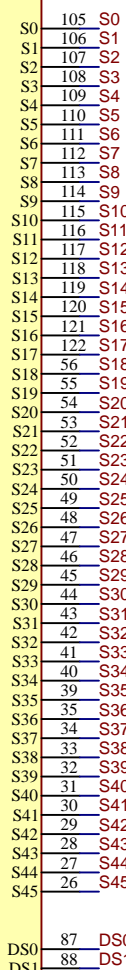
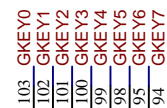
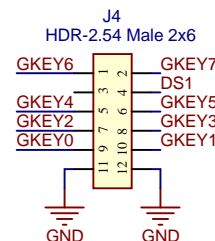
Break LK1 & LK2 to disconnect pull-ups if they impact high speed SPI signals





U1
ATMXT1296M1T TQFP-128

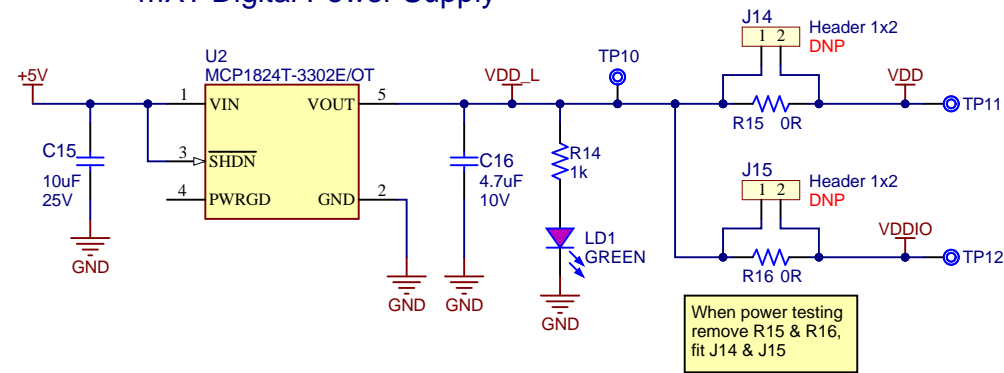


G Keys



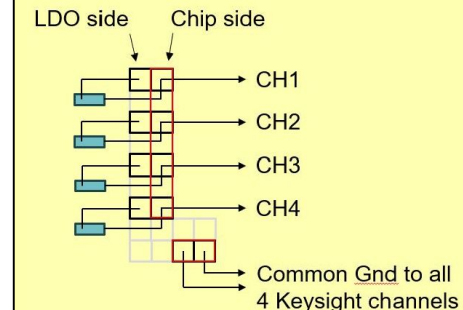
Project Owner: Patrick Cassidy			
PCB Layout Contact: Patrick Cassidy			
PartNumber: 11093	Project Title mXT1296M1 EVK Control Board	Variant: [No Variations]	
Sheet Title ATMXT1296M1T EVK Board - Touch Controller			
Size A3	SCH #: 03-11093	Rev: 3	Date: 21/09/2021
File: 11093_1.SchDoc		Rev: 3	Sheet 1 of 2
			Designed with  Altium.com

mXT Digital Power Supply

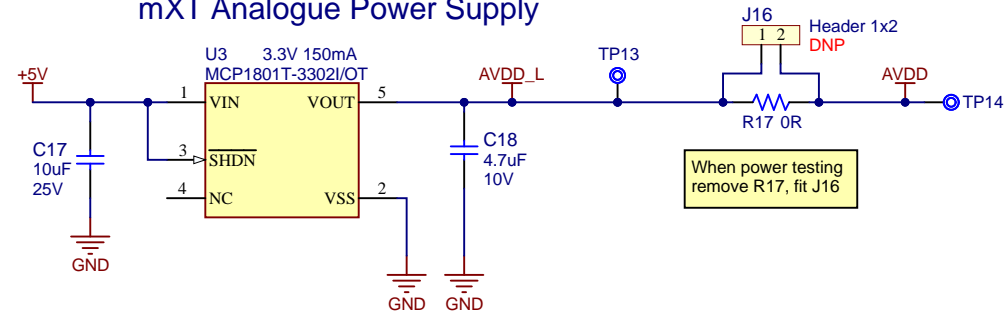


Place J14, J15, J16, J18, J19 on a 2.54mm pitch grid as shown below to suit Keysight N6705B Power Tester

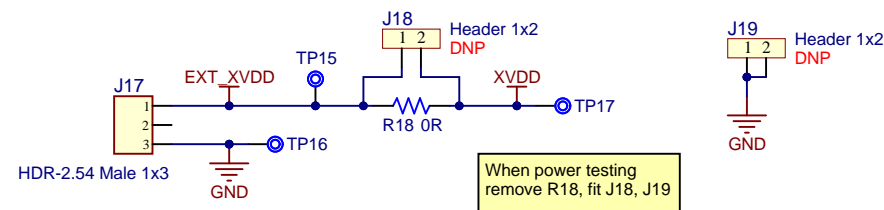
Ch1 = VDDIO
Ch2 = VDD
Ch3 = AVDD
Ch4 = XVDD



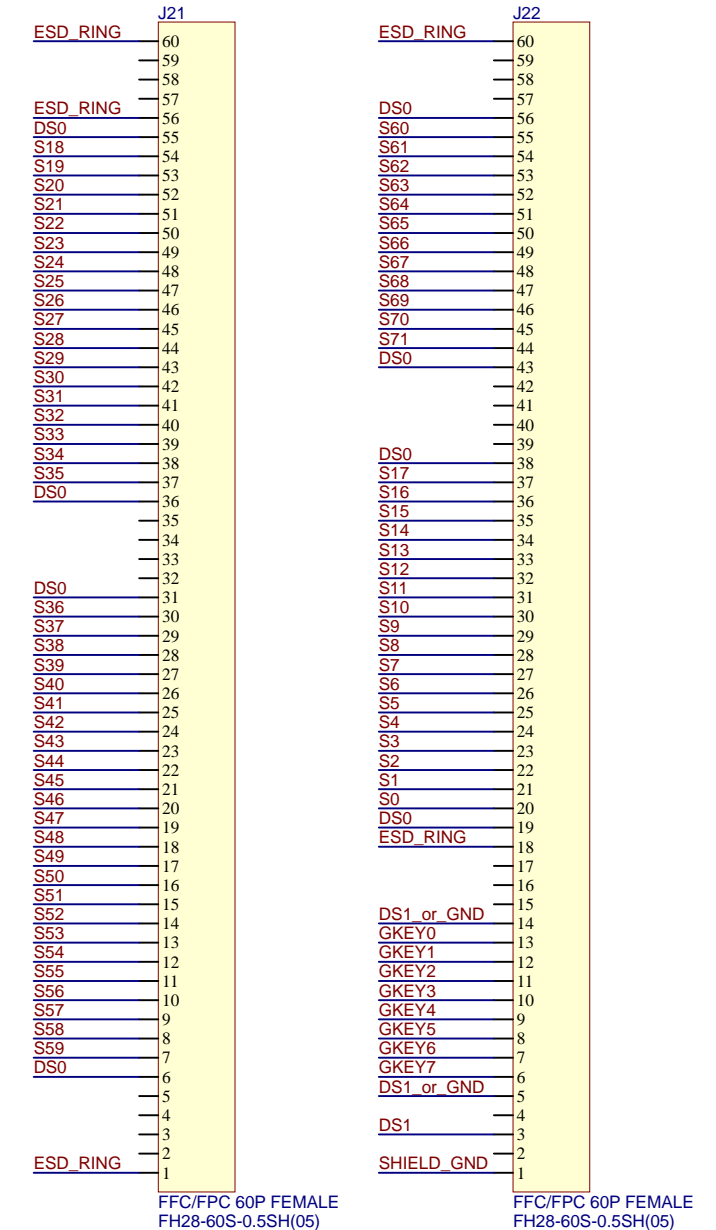
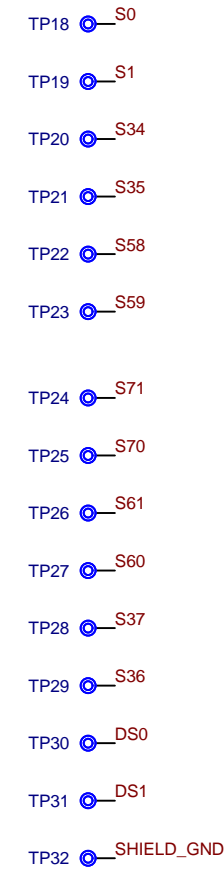
mXT Analogue Power Supply



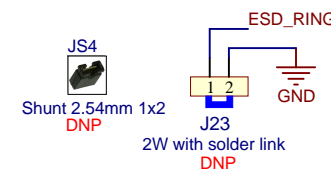
mXT External XVDD Supply



Sensor FPC Connectors

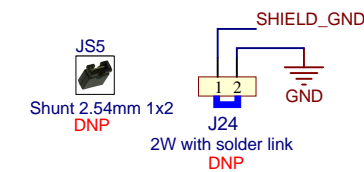


Star point to connect ESD ring to GND flood.
Fit near HSBB connectors.
Break solder link to disconnect ESD Ring
from GND. Fit header only if required
for testing.



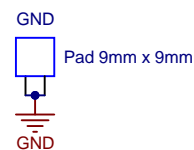
ESD Ring



Break solder link to disconnect SHIELD_GND from GND. Fit header only if required for testing.



Shield GND

DS1 or GND



Project Owner: Patrick Cassidy		 MICROCHIP	
PCB Layout Contact: Patrick Cassidy			
PartNumber: 11093	Project Title <i>mXT1296M1 EVK Control Board</i>	Variant: <u>[No Variations]</u>	
Sheet Title ATMXT1296M1T EVK Board - Power & Connectors		Designed with 	
Size A3	SCH #: 03-11093 PCB #: 04-11093	Rev: 3 Rev: 3	Date: 21/09/2021 Sheet 2 of 2
File: 11093_2.SchDoc			