

TIDA-01022 Jumper selection and its default position				
SI	Connector Reference	Positions	Description	Device
1	J67, J78, J82, J84	Open(default)	Normal operation	LMH5401 (U1, U4, U10 , U13)
		Short	Power down enabled	
2	J64, J68, J79, J83	Open(default)	Normal operation	LMH6401 (U2, U5, U11 , U14)
		Short	Power down enabled	
3	J6	Open(default)	Normal operation	ADC12DJ3200 (U8)
		Short	disable ADC1 analog and serdes output for Temp Diode calibration	
4	J7	Open(default)	Normal operation	ADC12DJ3200 (U8)
		-	Foreground calibration trigger input. This pin is only used if hardware calibration triggering is selected in CAL_TRIG_EN, otherwise software triggering is performed using CAL_SOFT_TRIG. This pin should be tied to GND if not used.	
5	J5	Pin (3,4) - Short , Pin (1,2) - Short	ADC (U8), Bank A NCO 0 Select	ADC12DJ3200 (U8)
		Pin (3,4) - Short , Pin (1,2) - Open	ADC (U8), Bank A NCO 1 Select	
		Pin (3,4) - Open , Pin (1,2) - Short	ADC (U8), Bank A NCO 2 Select	
		Pin (3,4) - Open , Pin (1,2) - Open (default)	ADC (U8), Bank A NCO 3 Select	
		Pin (7,8) - Short , Pin (5,6) - Short	ADC (U8), Bank B NCO 0 Select	
		Pin (7,8) - Short , Pin (5,6) - Open	ADC (U8), Bank B NCO 1 Select	
		Pin (7,8) - Open , Pin (5,6) - Short	ADC (U8), Bank B NCO 2 Select	
		Pin (7,8) - Open , Pin (5,6) - Open (default)	ADC (U8), Bank B NCO 3 Select	
6	J17	Open(default)	Normal operation	ADC12DJ3200 (U17)
		Short	disable ADC2 analog and serdes output for Temp Diode calibration	
7	J18	Open(default)	Normal operation	ADC12DJ3200 (U17)
		-	Foreground calibration trigger input. This pin is only used if hardware calibration triggering is selected in CAL_TRIG_EN, otherwise software triggering is performed using CAL_SOFT_TRIG. This pin should be tied to GND if not used.	
8	J16	Pin (3,4) - Short , Pin (1,2) - Short	ADC (U17), Bank A NCO 0 Select, Jumper J41 must be open	ADC12DJ3200 (U17)
		Pin (3,4) - Short , Pin (1,2) - Open	ADC (U17), Bank A NCO 1 Select, Jumper J41 must be open	
		Pin (3,4) - Open , Pin (1,2) - Short	ADC (U17), Bank A NCO 2 Select, Jumper J41 must be open	
		Pin (3,4) - Open , Pin (1,2) - Open (default)	ADC (U17), Bank A NCO 3 Select, Jumper J41 must be open	
		Pin (7,8) - Short , Pin (5,6) - Short	ADC (U17), Bank B NCO 0 Select, Jumper J42 must be open	
		Pin (7,8) - Short , Pin (5,6) - Open	ADC (U17), Bank B NCO 1 Select, Jumper J42 must be open	
		Pin (7,8) - Open , Pin (5,6) - Short	ADC (U17), Bank B NCO 2 Select, Jumper J42 must be open	
		Pin (7,8) - Open , Pin (5,6) - Open (default)	ADC (U17), Bank B NCO 3 Select, Jumper J42 must be open	
9	J75	Pin (1,2) - Short (default)	LMK61E2 Enable - Normal operation	LMK61E2 (U25)
		Pin (2,3) - Short	LMK61E2 output disable	
10	J35, J37	Short (default)	Enable ADC 1 & ADC2 programming via HSDC TID GUI	ADC12DJ3200 (U8, U17)
		Open	Enable ADC1 , ADC2 programming via USB2ANY programmer using J32 , J33 connectors	
11	J36, J38	Short (default)	Enable LMH6401 programming via HSDC TID GUI	LMH6401 (U2, U5, U11 , U14)
		Open	Enable LMH6401 programming via USB2ANY programmer using J31 , J34 connectors	
12	J40 (7,8)	Short	LMX2594 -A readback selected, This jumper must be installed based on LMX2594 device readback and same muxout option selected as readback as SDO	LMX2594 (U19, U21)
		Open (default)	LMX2594 -B readback selected	
13	J39 and J40(1-2,3-4,5-6)	-	Optional connector to program LMK04828, LMX2594 via USB2 ANY	
14	J41, J42,	Open (default)	ADC1, ADC2 NCO selection based on external hardware jumper	Not implemented yet
		Short	ADC1, ADC2 NCO selection based on external GPIO control (HSDC TID GUI)	
15	J43, J44	Open (default)	ADC 1, ADC2 over range indicator by LED	Not implemented yet
		Short	ADC 1, ADC2 over range indicator in HSDC TID GUI	
16	J62(1-2, 3-4, 5-6)	Open	All three Jumpers must be removed while programming LMK61E2 using USB2ANY Programmer via connector J32.	
		Short (default)	All three jumper must be installed during normal operation	
17	J71 (1-2)	Short (default)	Select USB controller power from on board power supply	
		Open	Select USB controller power from USB bus power	
18	J45, J47, J49, J50, J52, J54	Open (default)	Provide at TSW14J57 FMC+ Connector interface	