VALIDATION TEST OF INTERCONNECTIO BOX 200-1000-010 Measure DOS Dyna all relay (Defauld) Well Speed Dyna all relay (Defauld) Government of a relay (Defauld) Should Dyna all relay (Defauld) Tell Speed (Defauld) Tel fer to document Selftest_Strategy.pdf to help understand the test strategy used Comments rify SV and ADCO. Check if led ON on Board solidate Port O and Board. Signals Validation Test Stimulus Circuits Limits | Notice POST1 | Fire A-AGE | THE A-AGE | per Port I - 0x55, Road For I SET PATL = 0x84, Road For I SET FLAG = 1, Road CTR = 1 SET FLAG = 1, Road CTR = 1 SET SLAG = 1, Road CTR = 1 SET SLAG = 1 OCI AC Ouput Hi Voltage AC Ouput Low Voltage Inver measurement test Bus Voltage Inver measurement test Shunt Voltage Inver measurement test Current Inver measurement Inversión Inve rify ADC1 input ilidate DAC output with high voltage ilidate DAC output with low voltage ilidate 10 ohm current limit resistor urrent Module INA219 alidate FTS 10 ohm resistor alidate resistance contact of the two LPR in series ilidate resistance contact alidate resistance contact alidate resistance contact alidate resistance contact ilidate resistance contact ilidate resistance contact TO 7.88, ELT 1993. (A) Cons Relay 981 C-00, BIC C-00, BI ad 50mA +20 / - 5m epipes for Outer Custimer CLT-CRY IX. BRZ COM relay BR.3. BRZ COM H Gopon V/ PWR IX. BRZ COM relay BR.3. BRZ COM H Gopon V/ PWR IX. BRZ COM relay BR.3. BRZ COM H Gopon V/ WR IX. BRZ COM relay BR.3. BRZ COM H Gopon V/ WR IX. BRZ COM relay BR.3. BRZ COM L Gopon V/ WR IX. BRZ COM relay BR.3. BRZ COM L Gopon V/ WR IX. BRZ COM relay BR.3. BRZ COM L Gopon V/ WR IX. BRZ COM relay BR.3. BRZ COM L Gopon V/ PWR IX. BRZ COM relay BRZ BRZ COM L Gopon V/ PWR IX. BRZ COM relay BRZ BRZ COM L Gopon V/ PWR IX. BRZ COM Relay BRZ COM L Gopon V/ PWR IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 COM, BK3 C IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 COM, BK3 C IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, BK2 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, BK1 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, BK1 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, BK1 CHD, BK1 CHD, BK1 IN 77, X8, X12 (FSB), X14, Close Relay BK1 CHD, nt K7 ,K8(PS7),K14, Close Relay BK1-CH0, BK2-CH0,BK1-COM,BK2-C nt K7 ,K8(PS7), K14 Close Relay BK1-CH0, BK2-CH0,BK1-COM Listy BK3-BK4-CH0H-Close Test Sky BK3-BK4-CH0H-Close Test Sky BK3-BK4-CH0H-Close Test Sky BK3-BK4-BK4-CH0H-Close Sky BK3-BK4-BK4-CH0H-Close Sky BK3-CH0H-Close Test Sky BK3-CH0H-Close Sky BK3-CH0H-Close Test Sky BK3-CH0H-Close Sky BK3-TO 7, 88(11):19 (10):15 (10):16 (10):1 Stabitisé, Moder J., C. toogé each et selfete GPIJ2 - O (Serait Ro) et selfete GPIJ2 - I. (Serait Ro) et selfete GPIJ2 - I. (Serait Ro) et selfete GPIJ3 - I. (Serait Tr) et selfete GPIJ3 - I. (Serait Tr) et selfete GPIJ3 - I. (Serait Tr) et selfete GPIJ4 - I. (Serait Ro) et selfete GPIJ4 - I. (Serait Ro) et selfete GPIJ3 - I. (Serait Ro) et selfete GPIJ3 - I. (Serait CR) et selfete GPIJ3 - I. (Serait CR) et selfete GPIJ3 - I. (Serait CR) selfete GPIJ3 - I. (Ser Digital State and Digital value Digital State and Digital State and Digital value Digital Stat SERMAL TX SERMAL CTS SERMAL CTS SERMAL CTS SERMAL TX SER Read 0 Read 1 read string: TEST 072,115200 read string: TEST N81,38400 read string: 1234567890,1920 read string: TEST HANDSHAKE, ead String W_J1,1W_J2 W_J1,1W_J2 wire Test J1, J2 wire Test J1, J2 ERROR Led Test ON ERROR Led Test OFF Send command to turn ON error led Send command to turn OFF error led Digital State Digital State RR_LED Read Pico GPIO11 = 1 Read Pico GPIO11 = 0 23 Loopback test GP1 = 0 23 Loopback test GP1 = 1 23 Loopback test GP1 = 0 23 Loopback test GP0 = 0 23 Loopback test GP0 = 0 23 Loopback test GP0 = 1 23 Loopback test GP0 = 0 GP1 out =0, GP1 read GP1 out =0, GP0 read GP1 out =1, GP0 read GP1 out =1, GP0 read GP1 out =1, GP0 read GP1 out =0, GP0 read GP0 out =0, GP0 read GP0 out =0, GP1 read GP0 out =1, GP1 read gigital State ead GPJ driver value Sigital State ead GPJ driver value Sigital State ead loopback state at GPO Sigital State ead loopback state at GPO Sigital State ead loopback state at GPO Sigital State ead GPD driver value Sigital State ead loopback state at GPI Sigital State ead loopback state ead loopback state at GPI Sigital State ead loopback state ead loopback state at GPI Sigital State ead loopback state ead lo P1 P0, GP1 P0, GP1 P0, GP1 5P1 5P0, GP1 lidate outpus lidate loopback lidate loopback P0, GP1 P0, GP1 GP16 out =0, GP16 read GP16 out =0, GP18 read GP16 out =1, GP16 read GP16 out =1, GP18 read GP10 out =0, GP21 read GP21 out =0, GP17 read GP21 out =0, GP19 read GP21 out =1, GP17 read P16 P16,GP18 Read 0 Read 1 Read 1 Read 1 ilidate output ilidate loopback P16 P16,GP18 GP21 GP16,GP17 GP16,GP19 GP21 GP16,GP17 GP16,GP19 region state | read loopback state at GP19 | Inalig Meas | Measure value with ohmeter | Inalig Meas | Measure value with ohmeter | Inalig Meas | Measure value with ohmeter | Inalig Meas | L4(WAI), R4(ground), R10 (Ps1) | Inalig Meas | L4(WAI) | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on DVM_TRIS | Inalig Meas | Digital Test of voltage on Sense pin resistor Check DMM resistor path Check DMM sylv Check DMM SV Check DMM Low Current Check DMM Lind Current Check DMM Trig Check Low DMM Trig Check Low DVM_SENSE_H, DVM_SENSE_L DVM_H. DVM_L DVM_H. DVM_L DVM_H. DVM_L DVM_LPWR_SV DVM_H. DVM_LPWR_SV DVM_H. DVM_LPWR_SV EVTRLPHAG_DVM_TRIG_DVM_F CTRLPHAG_DVM_TRIG_DVM_F Resistor R6 on Selftest Board Resistor R5,R6 and R7 on Selftest Board O Ohms 7 Ohms + 10 Ohms + 4.7 Ohms ilidate R6 ilidate R5,R6 and R7 V Voltage Check V_PWR to R1 (100 Ohm) V_PWR to R2 (10 Ohm) PWR_5V 100 ohms resistor 10 ohms resistor nalog Meas K4,K3,K8,K14,K15,K16,K9,K10 nalog Meas K4,K3,K8,K14,K15,K16,K9,K10, SSR1 nalog Meas K4,K3,K8,K14,K15,K16,K9,K10,K1 nalog Meas K4,K3,K8,K14,K15,K16,K9,K10,K10 K4,K3,K8,K14,K15,K16,K9,K10,SSR1 Set Selftest PWM = 1KHz Set Selftest PWM = 100KHz Set AWG to Sinus at SVpp@10KHz Set AWG to Triangle at SVpp@10KHz USB flash drive Box between internet source and PC scilloscope CH1 Check scilloscope CH2 Check WG Check dernal INST Check SB path Test thernet path Test Signal Meas K7 Signal Meas K3,K7 Signal Meas K3,K7 Signal Meas K3,K7 Signal Meas K2 Data Check USB cable to PC Com Check Ethernet Cable TO PC Scope signal is 3.3V@1KHz Scope signal is 3.3V@100KHz Scope signal is sinus at 5V@10KHz Scope signal is triangle at 5V@10KHz Read on flash disk Network is ON