PCB Number: SV601093
PCB Rev: B

FID1 FID2 FID3

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U3 MSP430F5528IRGC

P1.0/TA0CLK/ACLK 18
P1.1/TA0.0 19
P1.2/TA0.1 20
P1.3/TA0.2 21
P1.4/TA0.3 22
P1.5/TA0.4 23
P1.6/TA1CLK/CBOUT 24
P1.7/TA1.0 25
P2.0/TA1.1 26
P2.1/TA1.2 27
P2.2/TA2CLK/SMCLK 28
P2.3/TA2.0 29
P2.4/TA2.1 30
P2.5/TA2.2 31
P2.6/RTCCLK/DMAE0 32
P2.7/UCB0STE/UCA0CLK 33
P3.0/UCB0SIMO/UCB0SDA 34
P3.1/UCB0SOMI/UCB0SCL 35
P3.2/UCB0CLK/UCA0STE 36
P3.3/UCA0TXD/UCA0SIMO 37
P3.4/UCA0RXD/UCA0SOMI 38
P4.0/PM_UCB1STE/PM_UCA1CLK 41
P4.1/PM_UCB1SIMO/PM_UCB1SDA 42 SDA
P4.2/PM_UCB1SOMI/PM_UCB1SCL 43 SCL
P4.3/PM_UCB1CLK/PM_UCA1STE 44
P4.4/PM_UCA1TXD/PM_UCA1SIMO 45
P4.5/PM_UCA1RXD/PM_UCA1SOMI 46
P4.6/PM_NONE 47
P4.7/PM_NONE 48
P5.0/A8/VREF+/VEREF+ 9
P5.1/A9/VREF-/VEREF- 10
P5.2/XT2IN 57
P5.3/XT2OUT 58
P5.4/XIN 12
P5.5/XOUT 13
P6.0/CB0/A0 1
P6.1/CB1/A1 2
P6.2/CB2/A2 3
P6.3/CB3/A3 4
P6.4/CB4/A4 5
P6.5/CB5/A5 6
P6.6/CB6/A6 7
P6.7/CB7/A7 8
PU.0/DP 50 DP
PU.1/DM 52 DM
PUR 51 PUR
V18 55
VCORE 17
VBUS 53 VBUS
VUSB 54 VUSB
AVCC1 11
DVCC1 15
DVCC2 40
PJ.0/TDO 60
PJ.1/TDI/TCLK 61
PJ.2/TMS 62
PJ.3/TCK 63
RST/NMI/SBWTDIO 64 SBWTDIO
TEST/SBWTCK 59 SBWTCK
QFN PAD 65
VSSU 49
AVSS1 14
AVSS2 56
DVSS1 16
DVSS2 39

D1 Green
D2 Super Red
R6 1.0k
R7 1.0k
C9 18pF
Y1 24.000MHz
C8 18pF
C10 220pF
C17 0.47µF
C6 220PF
C11 0.1uF
C19 0.1uF
R5 33k
C7 2200pF

L1 VLS201610ET-100M
D21 5.6V MMSZ5232B-7-F
C2 10µF
C3 0.1uF
U4 LP2985AIM5-3.3/NOPB
C4 0.01µF
C15 2.2µF

J3 48037-2200
R40 1.5K
R9 33
R8 33
R20 1M
U2
C5 0.1uF

J1 TSW-104-07-G-S DNP
J2 TSW-104-07-G-S DNP

U1 FDC1004DSC
C20 1µF
C1 0.1µF
R11 4.99k
R10 4.99k
DNP CS1 1pF
DNP CS2 51pF

J4
J5

SENSOR
GND SHLD1 CIN1 LEFT RIGHT SHLD2 CIN4

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