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Camera Sensor

IC2
DCML_CLK P843 EXTCLK
RESET_N P847 RESET_N
DCML_SCL P815 SCLK
DCML_SDA P827 SDATA
P817 SADDR0
P819 SADDR1
P839 SADDR2
DCML_PCLK P832 PIXCLK
DCML_VSYNC P857 FRAME_VALID
DCML_D0 P881 DOUT0
DCML_D1 P832 DOUT1
DCML_D2 P879 DOUT2
DCML_D3 P853 DOUT3
DCML_D4 P813 DOUT4
DCML_D5 P854 DOUT5
DCML_D6 P874 DOUT6
DCML_D7 P834 DOUT7
DCML_D8 P856 DOUT8
DCML_D9 P845 DOUT9
DCML_D10 P825 DOUT10
DCML_D11 P836 DOUT11
P851 CLKP
P841 CLKN
P810 DATA0P
P860 DATA0N
P871 DATA1P
P861 DATA1N
P850 DATA2P
P840 DATA2N
P831 DATA3P
P821 DATA3N
P848 TEST
P85 ATEST1
P858 ATEST2
P84 ATEST3
P814 ATEST4
P858 GPIO_0
P858 GPIO_1
P858 GPIO_2
P858 GPIO_3
P837 SYS_CHECK
P887 TEMP_FLAG
P830 NC
AR0147ATSC00XUEG5
VPP

DGND0 P833
DGND1 P89
DGND2 P824
DGND3 P826
DGND4 P833
DGND5 P835
DGND6 P842
DGND7 P844
DGND8 P846
DGND9 P849
DGND10 P853
DGND11 P855
DGND12 P864
DGND13 P866
DGND14 P876
DGND15 P880
DGND16
VDD0 P81 VDD C5 0.22uF
VDD1 P88 VDD C7 0.22uF
VDD2 P822 VDD C8 0.22uF
VDD3 P865 VDD C9 0.22uF
VDD4 P869 VDD C10 0.22uF
VDD5 P872 VDD C11 0.22uF
VDD6 P877 VDD C12 0.22uF
VDD7 P883 VDD C14 0.22uF
VDD8 P885 VDD C16 0.22uF
VDD_PHY P852 VDD_PHY C17 0.22uF
VDD_IO0 P82 VDDIO C18 0.22uF
VDD_IO1 P87 VDDIO C19 0.22uF
VDD_IO2 P820 VDDIO C20 0.22uF
VDD_IO3 P829 VDDIO C21 0.22uF
VDD_IO4 P862 VDDIO C22 0.22uF
VDD_IO6 P875 VDDIO C23 0.22uF
VDD_IO8 P882 VDDIO C24 0.22uF
VDD_IO9 P884 VDDIO C25 0.22uF
VDD_IO10 P886 VDDIO C26 0.22uF
VDD_IO11 P888 VDDIO C27 0.22uF
AGND0 P812
AGND1 P818
AGND2 P828
VAA0 P810 VAA C28 0.22uF
VAA1 P819 VAA C29 0.22uF
VAA2 P829 VAA C30 0.22uF
VAA_PIX P811 VAA_PIX C31 0.22uF
VPP P839

Connector

J1
DF12-36-DP
DCML_D1 1 1 2 VCC
DCML_D0 3 3 4 VDDA
GND 5 5 6 GND
DCML_D3 7 7 8 GND
DCML_D2 9 9 10 VCC
SPL_SSEL 11 11 12 DCML_CLK
SPL_SCL 13 13 14 DCML_PCLK
SPL_MISO 15 15 16 DCML_VSYNC
SPL_MOSI 17 17 18 DCML_HSYNC
GND 19 19 20 VCC
DCML_RST 21 21 22 VCC
DCML_ESIN 23 23 24 DCML_D11
DCML_PWDN 25 25 26 DCML_D10
GND 27 27 28 DCML_D8
DCML_D5 29 29 30 VCC
DCML_D4 31 31 32 DCML_SCL
DCML_D9 33 33 34 DCML_SDA
DCML_D6 35 35 36 VCC

Mechanical

P82 P81 P83

Electrical

VDD_REG
C1 4.7uF
C2 22uF
L1 100
VDD_PHY
C3 4.7uF
C4 22uF
L2 100
VDDIO_REG
R1 100K
C6 6.8pF
L3 MAKK2016T2R2N
C15 22uF
IC1 TLV62588PDCR
EN FB 1 2 3 4 5 6
SW PG VIN
C13 4.7uF
R3 10K
RESET_N
DCML_RST
DCML_PWDN
VDDIO_REG
IC3 MIC5365-2.8VC5-TR
NC VOUT 1 2 3
VIN GND EN
C2 4.7uF
C3 4.7uF
R4 10K
VDDA
Q1 FRHX512PEFZ
L4 100
VDDIO
C37 4.7uF
C39 22uF
L5 100
VDDIO
C37 4.7uF
C39 22uF
L6 100
VDDIO

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