PoE

**16pin,
12.7*9.4*5.97(h)**

CN60
20-21329-12
85205-06001
IO_GND

U115
HX2019NLT

L79
1020Ω_3A

C755 1000pF_2KV_1206
C756 1000pF_2KV_1206
C762 0.1uF 25V

+3V3_ETH
VDD3V3A_LAN
FB44 120Ω 2500mA 0603

C735 100pF_50V
R905 10_0805
C736 100pF_50V
R897 49.9Ω 1% 0805
R900 49.9Ω 1% 0805
C737 100pF_50V

RGMII_TRXP0 16
RGMII_TRXN0 16
C746 6800pF_0603
RGMII_TRXP1 16
C745 6800pF_0603
RGMII_TRXN1 16

C763 0.022uF_0603
R899 49.9Ω 1% 0805
R898 49.9Ω 1% 0805
C744 0.01uF_0402

D96 BRIDGE B1S
C768 1000pF_0603
C769 1000pF_0603
L80 1020Ω_3A
PoE_VDD
PoE_VSS

C741 0.01uF_0603
C740 0.01uF_0603
R901 75Ω 0603
R902 75Ω 0603
C754 1000pF_2KV_1206
IO_GND

C752 1000pF_2KV_1206
C753 1000pF_2KV_1206
IO_GND

VDD12V_PoE
R769 510 1% 2512
R770 200KΩ 1% 0603
Q36 2N7002
Q37 2N7002
VDD_3V3
R771 2.2KΩ 0402

For non-sync
D91 SS310A
R265 20Ω 1% 2010
C680 680pF 50V 0805
Q38 AON6268 60V 20A /N

T1
PoE_Pri_Sw_node
PoE_Sec_Sw_node
166.5uH 12V 0.83A

PoE_VDD
D92 58V 400W SMAJ58A-13-F
C679 0.082uF 100V 1206
C124 0.082uF 100V 1206 /N
L73 10uH_1.7A
C901 33uF_50V
C902 33uF_50V
C237 2.2uF 100V 1210
C238 2.2uF 100V 1210
R774 39KΩ 1% 0805
C678 0.1uF 100V 1206
C751 2200pF 2KV 1812
D7 200V 1A
R122 4.7_0402

VDD12V_PoE
C309 22uF 16V 1210
C313 22uF 16V 1210
C316 22uF 16V 1210
C284 100uF 16V 7343
FS1 2A 32V
L21 1.0uH 2.4A
VDD12
C681 22uF 16V 1210
C682 22uF 16V 1210

Z2 BZT52C15S-7 15V 200mW
Z1 BZT52C15S-7 15V 200mW
R894 0Ω 0603

D98 BAS16-7-F 75V 200mA
R907 10Ω 1% 2010
C683 0.22uF 25V 0603
C684 10uF 25V 0805
C257 1000pF 100V 0805 /N

C749 2200pF 2KV 1812
C750 2200pF 2KV 1812
Q22 Si4848DY-T1 150V 3.7A

U109 TPS23753APWR
VDD1 VDD GATE DEN CLS VSS APD RTN
VC GATE CS VB CTL BLNK FRS
R906 10_0805
R778 24.9KΩ 1% 0603
R780 137_0603
R779 1KΩ 1% 0603
PoE_VB
PoE_CTL
R52 10KΩ 1% 0603
PoE_ADP
R45 80.6KΩ 1% 0603
R783 59KΩ 1% 0603
C687 0.1uF 50V 0603
R781 0.39Ω 1% 2010

R782 10KΩ 1% 0603
D94 BAV99 75V 150mA
C688 1uF 25V 0805
R784 2KΩ 1% 0603
C689 10pF 50V 0603
R785 10KΩ 1% 0603
C747 6800pF_0603
R226 41.2K 1% 0603
U21 TL431ACDBVR
R788 9.53K 1% 0603

C690 0.033uF 25V 0603
R787 1.5KΩ 1% 0603
R786 2KΩ 1% 0603
U110 TCMT1107

PoE_RTN

PoE Type 1, Class 2 = max. 7W

Isolation barrier