

WIDEVIN = 9~24VDC @19A/12V Max

SS16HE
Vr=60V
Ir=2uA@Vr=60V;Tj=25C
Vf=0.51V
If=1A
SOD323

+DCIN_12V_CPU

SS:16ms

MODE:Hiccup Enabled

SW Freq.:250KHz

WIDEVIN = 9~24VDC @19A/12V Max
12V/19A
19V/12A
24V/9.5A

FEUE063T-R24MS1R195
DCR=1.19mΩ+5%
Irms=35A
Isat=32A
6.8x7.4x3.0mm

630AVHA101M1012
ESR=30mR
Irms=2700mA

CSD18503Q5A
Max V.=40V
Continuous Current=100A@Tc=25C
Rds_ON=4.7mohm@4.5V, 3.4mohm@10V
Max Current=321A
Max Watt.=120W@Tc=25C
VBE_GS+=-20V
VBE_GS(th)=2.3Vmax.
Qg=13nC@Vgs=4.5V, 27nC@Vgs=10V
Ciss=2200pF (typ.) @Vds=20V

VOUT = 12VDC @19A

+V12A_CPU

APSG160EC3271MP08J
ESR=10mR
Irms=5080mA

CSD18512Q5B
Max V.=40V
Continuous Current=100A@Tc=100C
Rds_ON=1.8mohm@4.5V, 1.3mohm@10V
Max Current=400A
Max Watt.=139W@Tc=25C
VBE_GS+=-20V
VBE_GS(th)=2.2Vmax.
Qg=37nC@Vgs=4.5V, 75nC@Vgs=10V
Ciss=5480pF (typ.) @Vds=30V

OC limit:
VIN(10.8V):24.8A
VIN(19V):28.9A
VIN(24V):32.1A

<Variant Name>

Portwell		
P52_+V12A_CPU		
Size	Document Number	Rev
Custom	PEB-99Bo	ZR0
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