VANTA 16, 2MX32 SDR SDRAM, RGB, AGP4X, TV I/F.

PCI DEVICE ID 0X002C (VANTA)

STRAPS: AGP4X, SDP BIOS, NORMAL PCIAD, 14.318MHZ,

SIDEBAND DISABLED IN BIOS

STRAP_RAM_TYPE = 0000 - 2MX32 OVERRIDEN IN BIOS

HISTORY:

REV. A00 BASED ON P17 and P09

1. ADDED R103 FOR CX871 COMPATIBILITY
2. ADDED C9,C12,C13 CLOSER TO BGA TO LOWER EMI

REV. B00

1. ADDED L21 TO REDUCE EMI
2. CHANGED VALUES OF RGB FILTER COMPONENTS TO REDUCE EMI
3. ADDED JP1, R104, R105 FOR OPTIONAL PAL/NTSC STRAPPING

REV. B01

1. CORRECTED GROUND AND POWER PLAINS,
   NO CHANGE TO SCHEMATICS

MSI	Micro-Star International Co., LTD.	
	MS-8830	
Size: B	Document Number: History	Rev: 1.0
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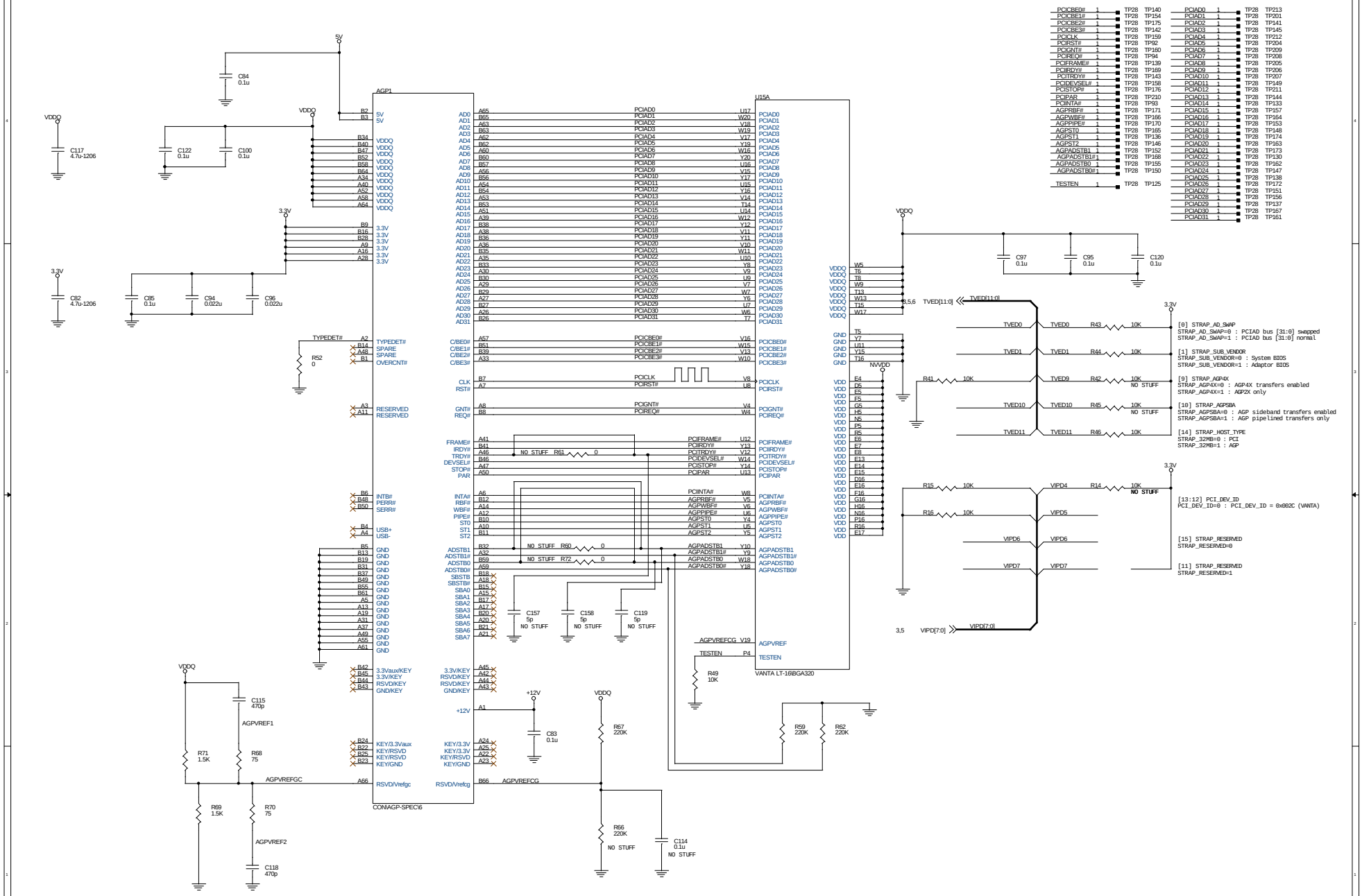

Micro-Star International Co., LTD.	
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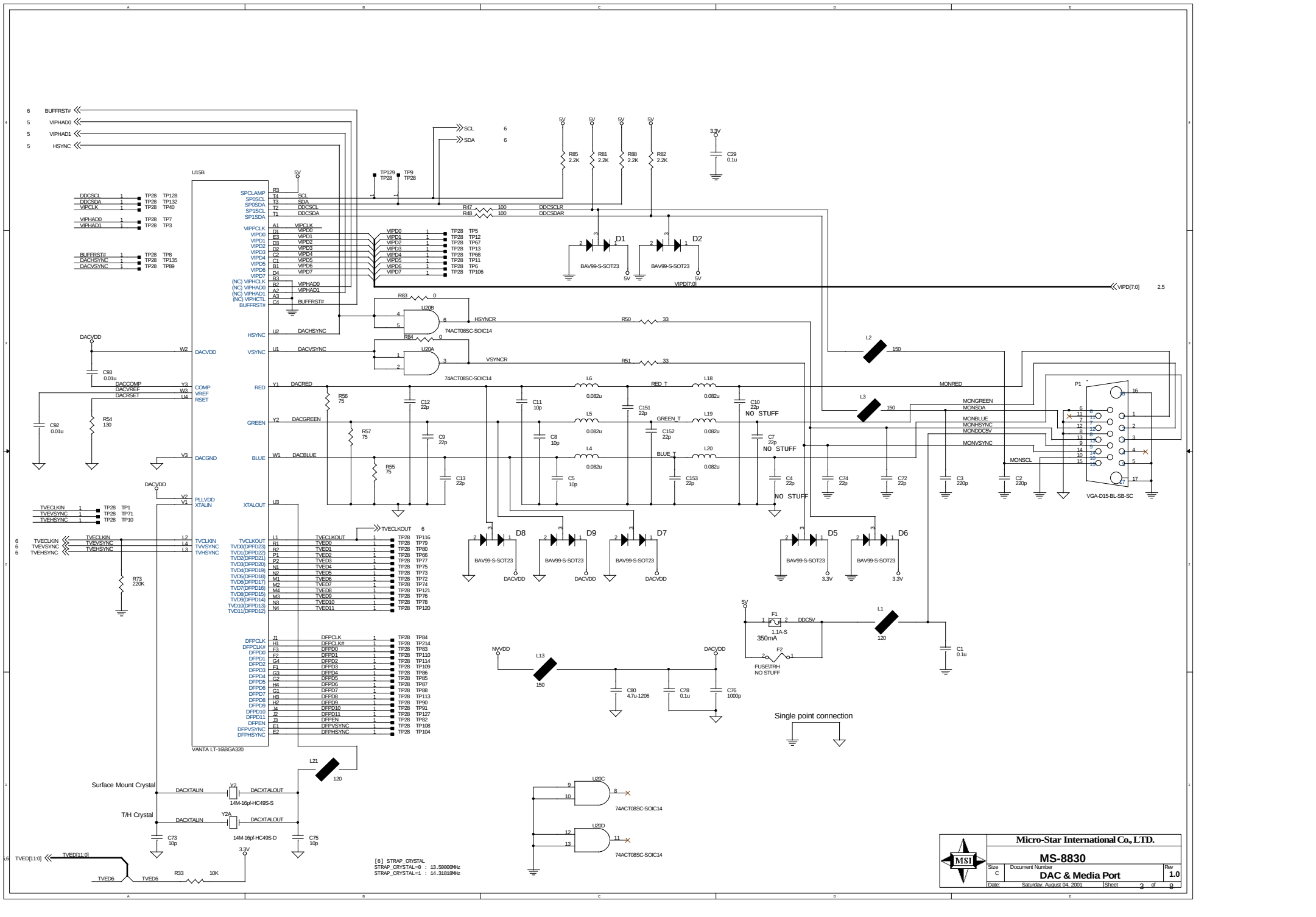
U15B
VANTA LT-16IBGA320
U20B
74ACT08SC-SOIC14
U20A
74ACT08SC-SOIC14
U20C
74ACT08SC-SOIC14
U20D
74ACT08SC-SOIC14
D1
D2
D5
D6
D7
D8
D9
BAV99-S-SOT23
P1
VGA-D15-BL-SB-SC
Surface Mount Crystal
T/H Crystal
14M-16pf-HC49S-S
14M-16pf-HC49S-D
Single point connection
[6] STRAP_CRYSTAL
STRAP_CRYSTAL=0 : 13.50000MHz
STRAP_CRYSTAL=1 : 14.31818MHz
Micro-Star International Co., LTD.
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DAC & Media Port
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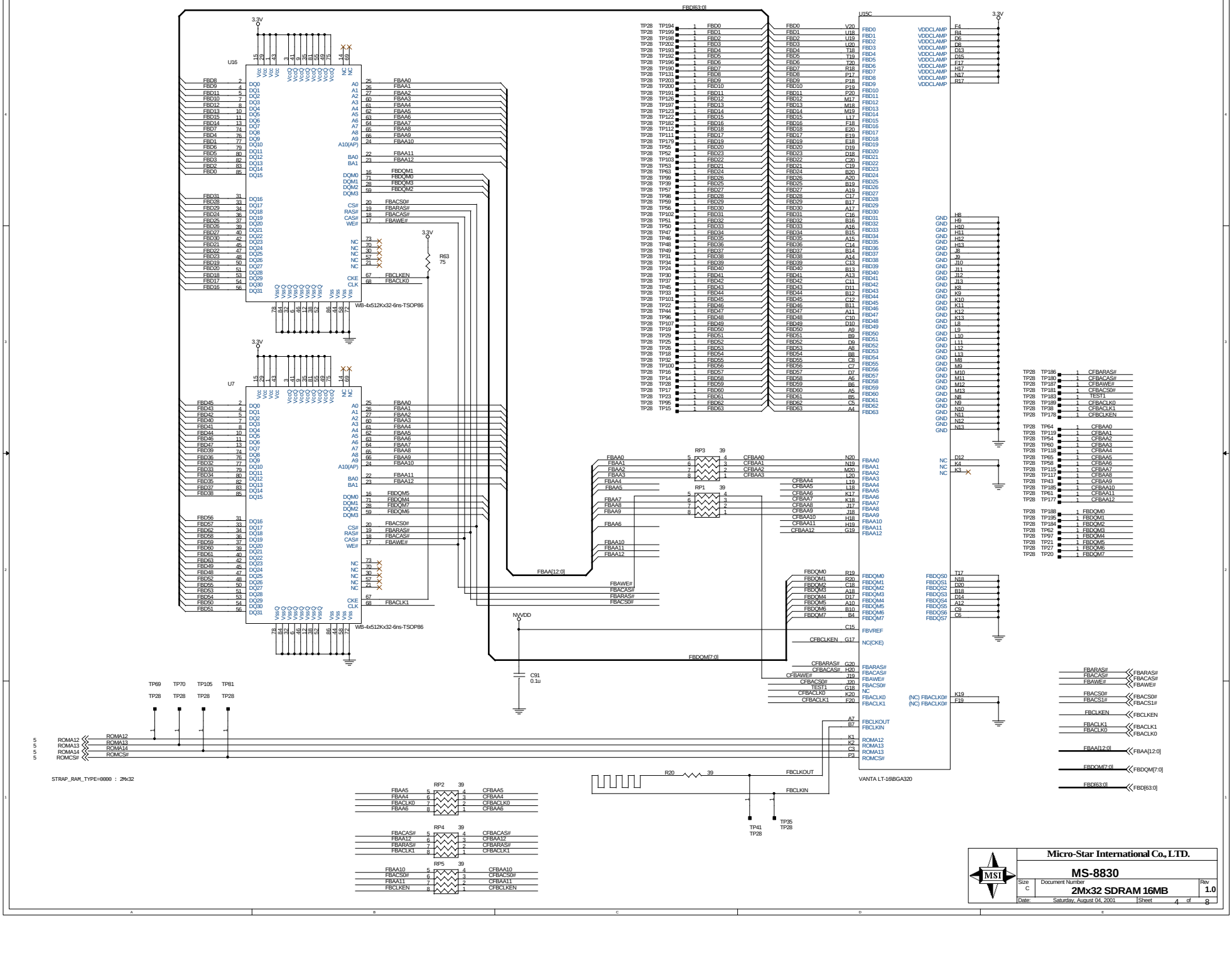
U16
U7
U15C
WB-4x512Kx32-6ns-TSOP86
VANTA LT-16BGA320
R63 75
R20 39
RP1 39
RP2 39
RP3 39
RP4 39
RP5 39
C91 0.1u
NVVDD
3.3V
FBD[63:0]
FBAA[12:0]
FBDQM[7:0]
FBWE#
FBACAS#
FBARAS#
FBACS0#
FBCLKOUT
FBCLKIN
STRAP_RAM_TYPE=0000 : 2Mx32
Micro-Star International Co., LTD.
MS-8830
2Mx32 SDRAM 16MB
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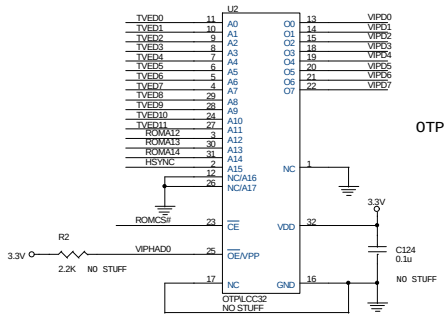
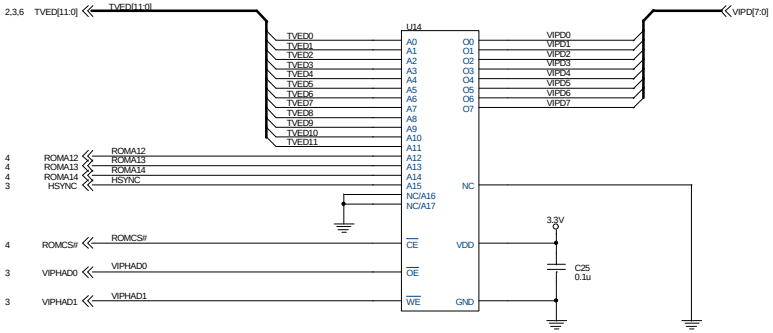
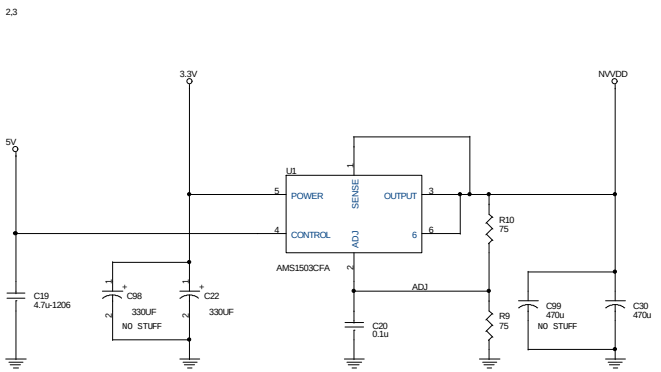


OTP PLCC Option





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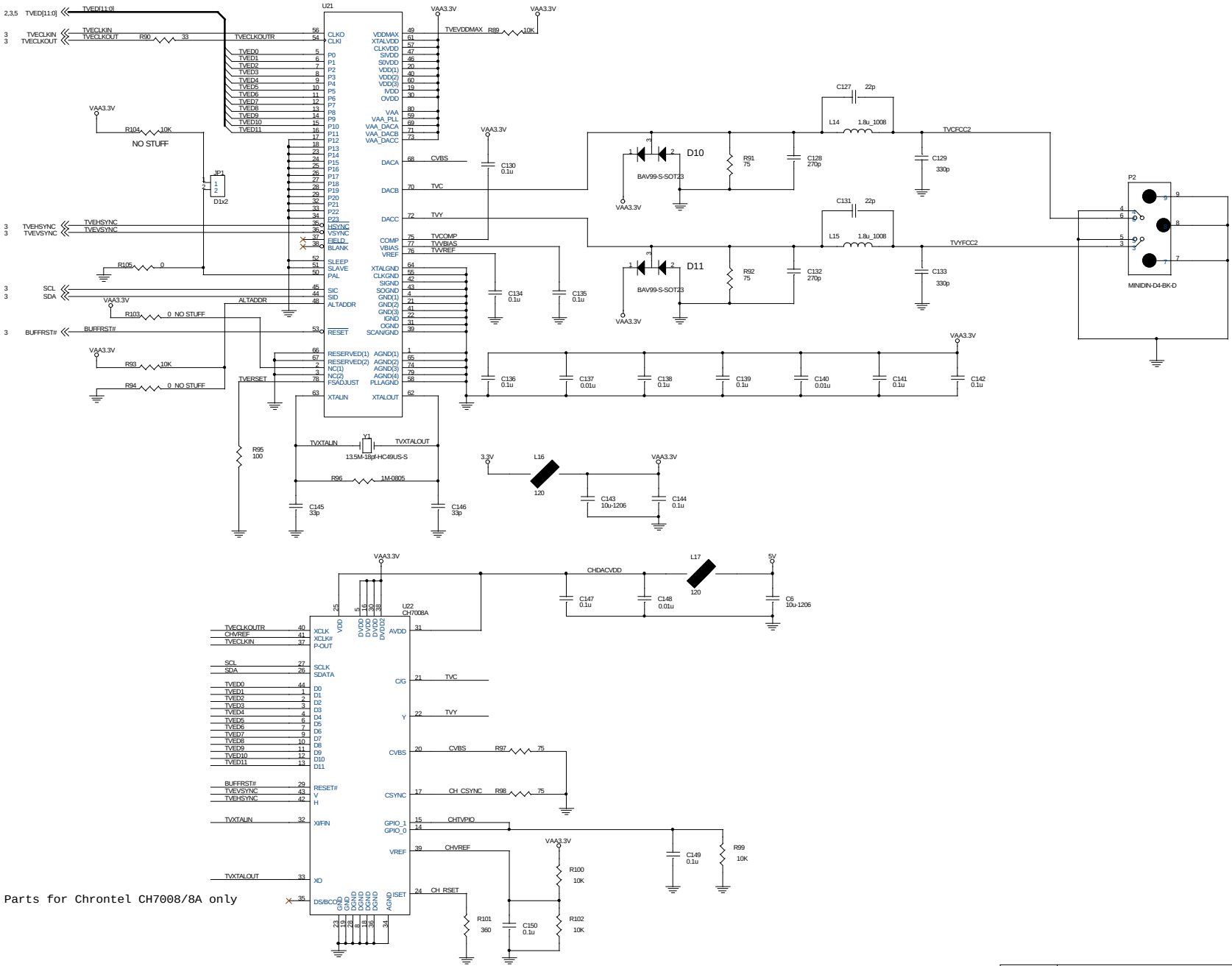

Parts for Chrontel CH7008/8A only

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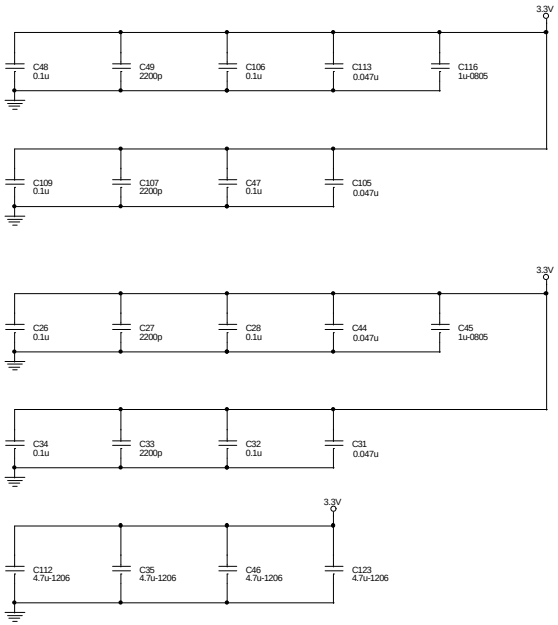
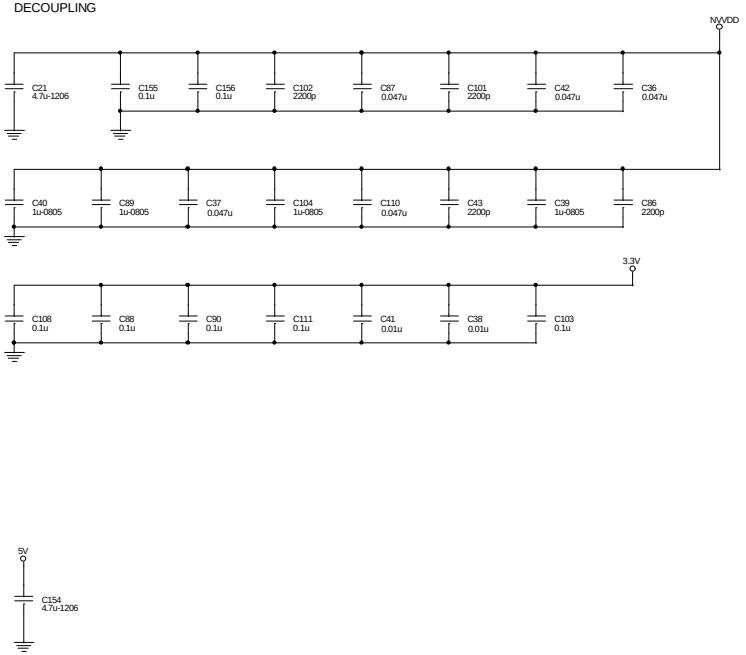
VANTA 16
DECOUPLING





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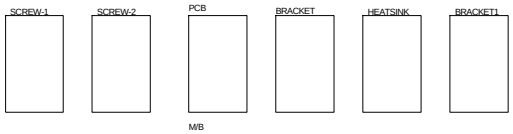

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