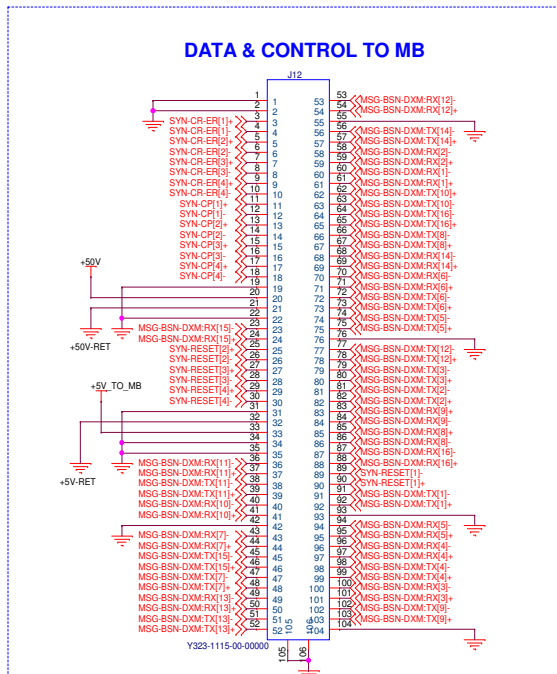
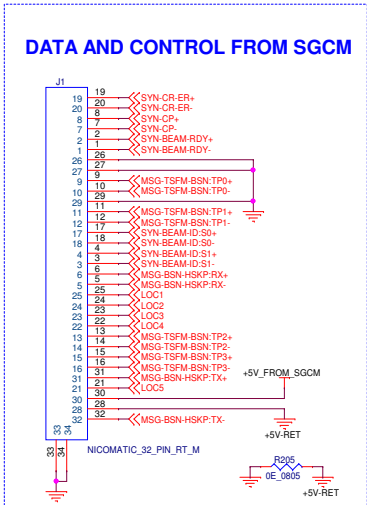
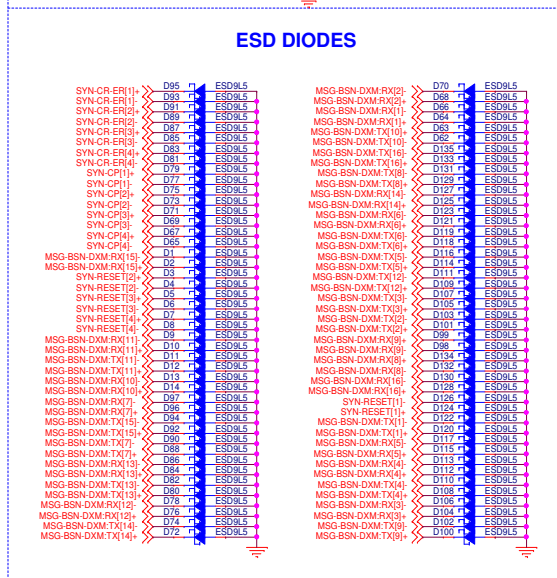


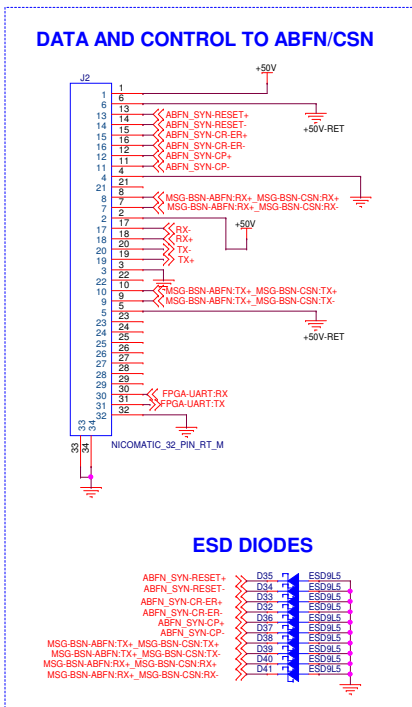
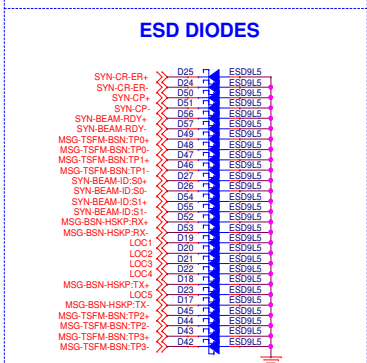
CONNECTORS



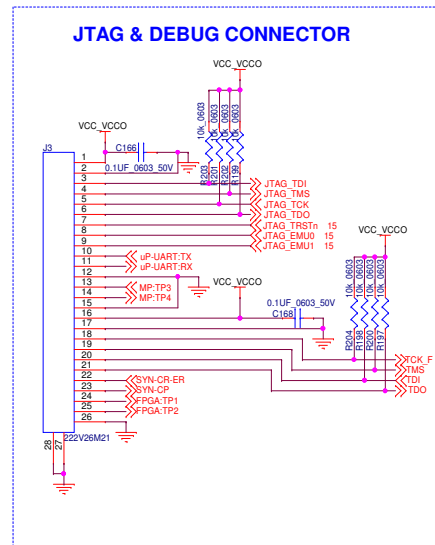
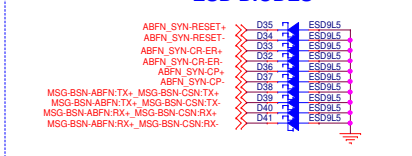
ESD DIODES



ESD DIODES



ESD DIODES



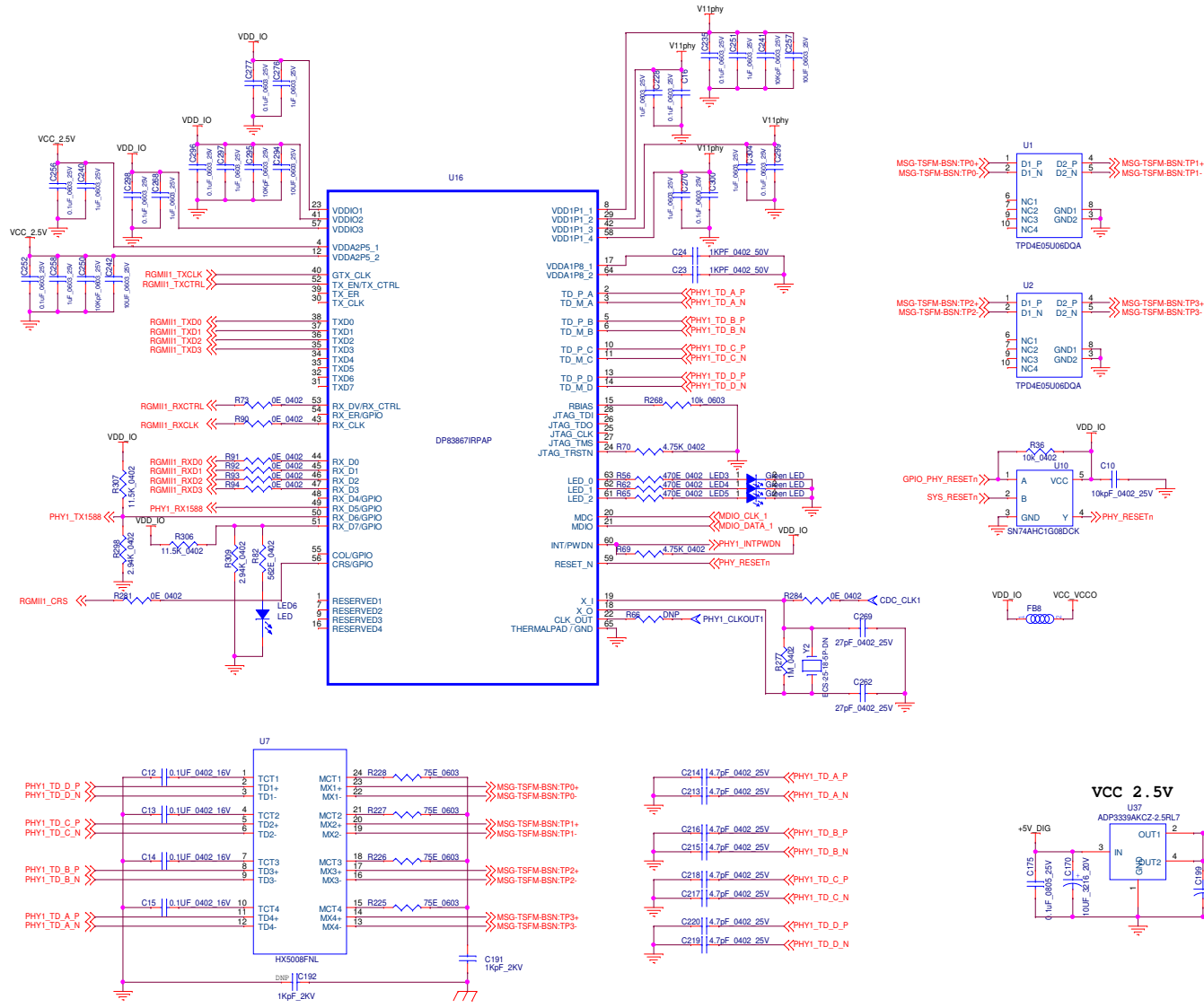
REV.	C.N.No.	ZONE	BRIEF CHANGE RECORD	APPD.
DRG.NO:				
GCM20SBR-01-SD				



	ASTRA MICROWAVE PRODUCTS LTD. HYDERABAD, INDIA.			NAME	SIGN	DATE	TITLE: SCHEMATIC DIAGRAM FOR GCM PCB	DRG.NO: GCM20SBR-01-SD	RD REV: 0A	
			DRN:	N. SAMBASIVA RAO						
			CHD:	M. SANTHOSH					REV. 0A	
			APPD:	C. PRADEEP						
SIZE : C							SHEET.NO: 16 OF 25			

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REV.	C.N.No.	ZONE	BRIEF CHANGE RECORD	APPD.
GCM20SBR-01-SD	DRG.NO:			



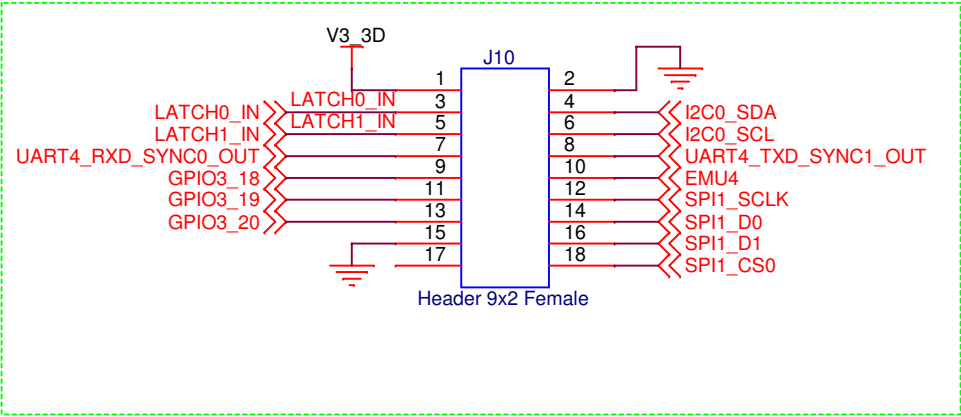
ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

	NAME	SIGN	DATE	TITLE: SCHEMATIC DIAGRAM FOR GCM PCB	DRG.NO: GCM20SBR-01-SD	RD REV:
DRN:	N.SAMBASIVA RAO					0A
CHD:	M.SANTHOSH					REV.
APPD:	C.PRADEEP				SIZE : C	SHEET.NO: 25 OF 25

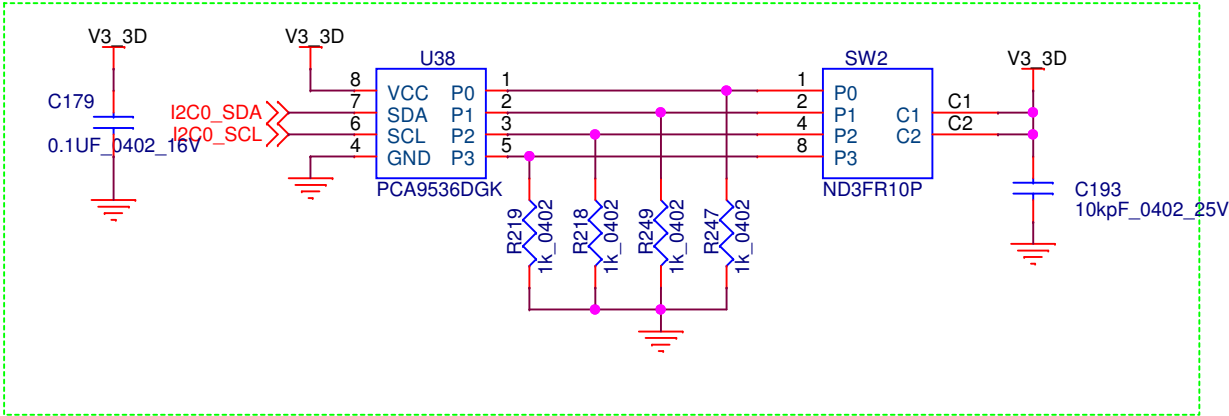
DS-20SBR-01-SD		REV.	C.N.No.	ZONE	BRIEF CHANGE RECORD			APPD.
DRG.NO:								

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HOST EXPANSION HEADERS(option on the board)



ROTARY SWITCH - INDUSTRIAL ETHERNET SLAVE ADDRESS SELECTOR



ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

NAME	SIGN	DATE
DRN: N.SAMBASIVA		
CHD: M.SANTHOSH		
APPD: C.PRADEEP		

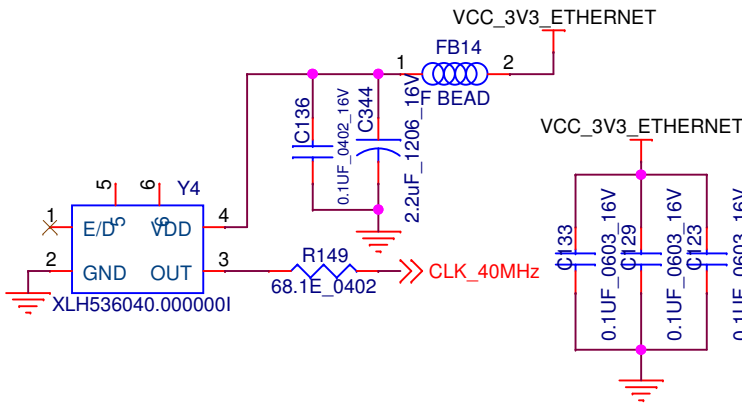
TITLE:
SCHEMATIC DIAGRAM FOR GCM PCB
SIZE :
A4

DRG.NO:
GCM20SBR-01-SD
SHEET.NO:
14 OF 25

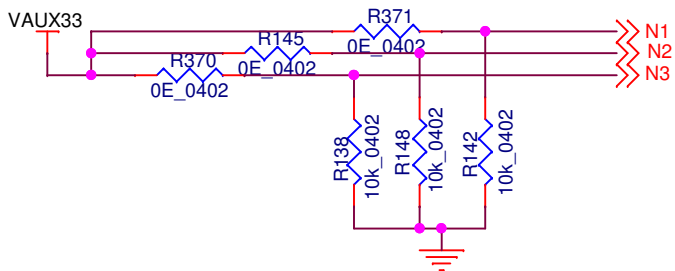
RD REV.
0A
REV.
0A

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100Mhz clock generator for FPGA and AM3359 Processor

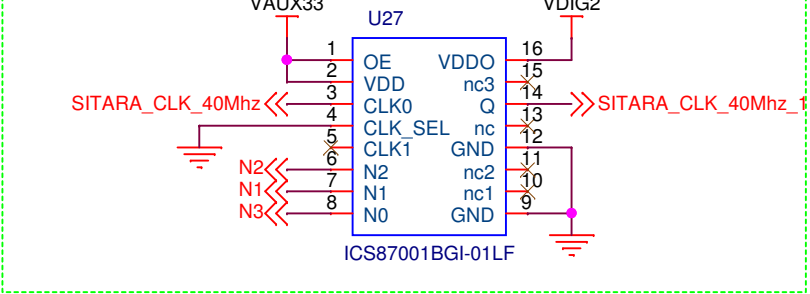
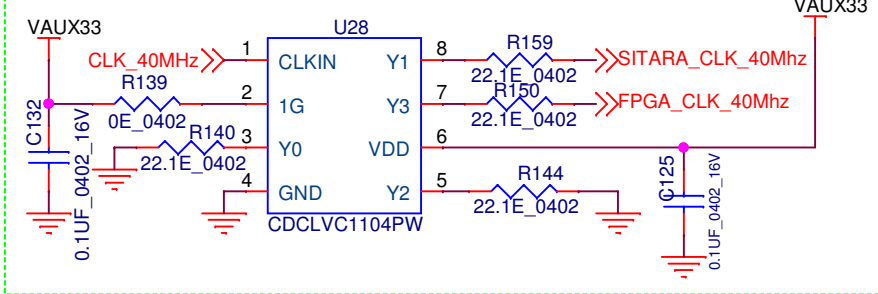


REFCLK_SEL	Frequency	Comment
000	125MHz	Default operation mode, 125MHz
001	156.25MHz	Normal operation 156.25MHz ref clock
010	-	Reserved
011	-	Reserved
100	25MHz	Normal operation mode 25MHz ref clock
101	-	Reserved
110	-	Reserved
111	-	Reserved



CLOCK Buffer which splits the clock to FPGA and AM3359 clockDivide by 4 to produce 25Mhz clock for AM3359

CLOCK BUFFER



ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

	NAME	SIGN	DATE
DRN:	N.SAMBASIVA		
CHD:	M.SANTHOSH		
APPD:	C.PRADEEP		

TITLE:	SCHEMATIC DIAGRAM FOR GCM PCB
SIZE :	A4

DRG.NO:	GCM20SBR-01-SD
SHEET.NO:	2 OF 25
RD REV.	0A
REV.	0A

ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

TITLE: SCHEMATIC DIAGRAM FOR GCM PCB	DRG.NO: GCM20SBR-01-SD	RD REV: 0A
		REV. 0A
SIZE : A3	SHEET.NO: 3 OF 25	

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DRG.NO: GCM20SBR-01-SD

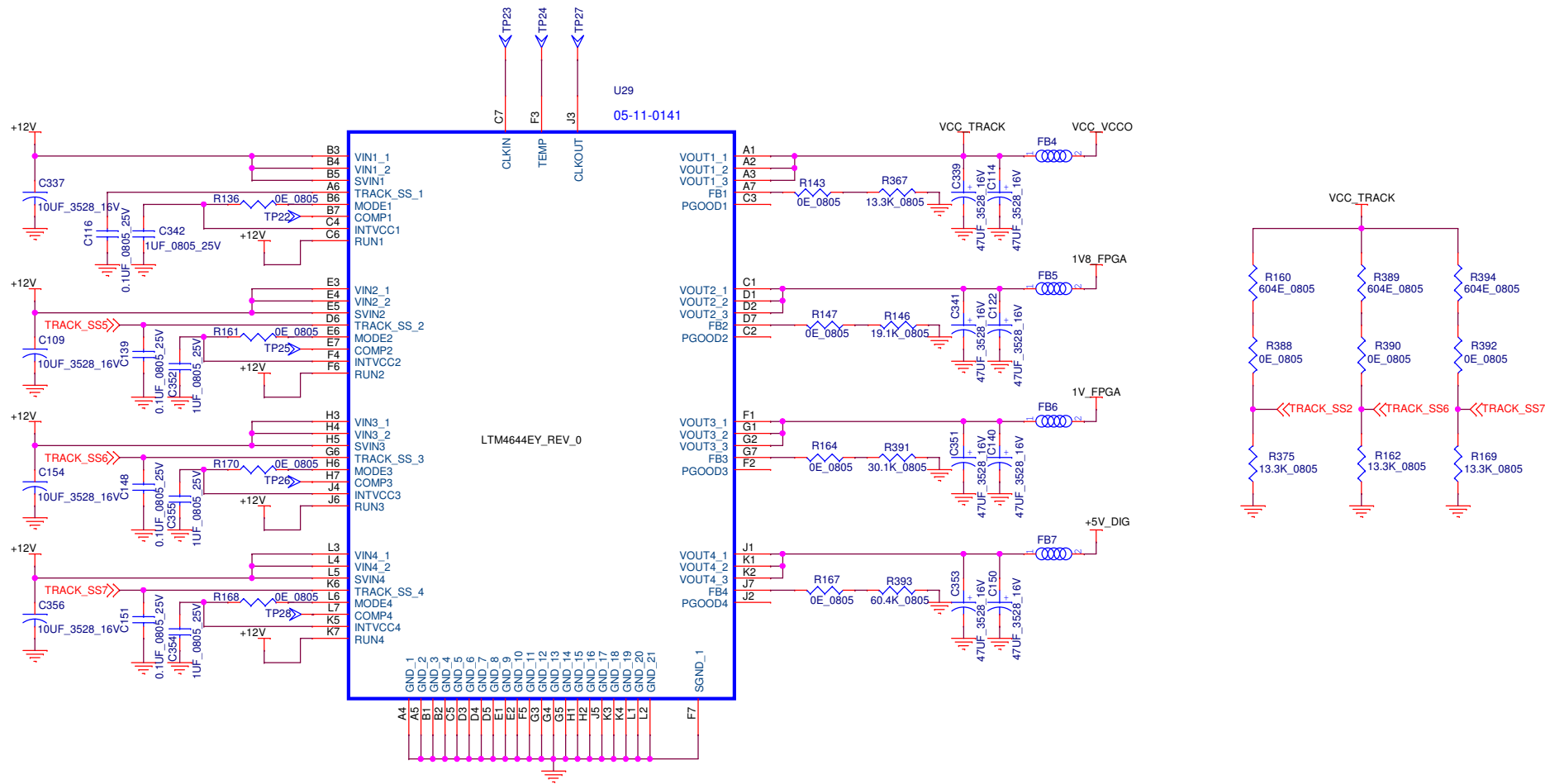
REV.

C.N.No.

ZONE

BRIEF CHANGE RECORD

APPD.



ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

NAME	SIGN	DATE
DRN: N.SAMBASIVA RAO		
CHD: M.SANTHOSH		
APPD: C.PRADEEP		

TITLE: SCHEMATIC DIAGRAM FOR
GCM PCB

SIZE : A3

DRG.NO: GCM20SBR-01-SD

SHEET.NO: 4 OF 25

RD REV:
0A

REV.
0A

RESTRICTED

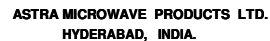
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GPMC INTERFACE



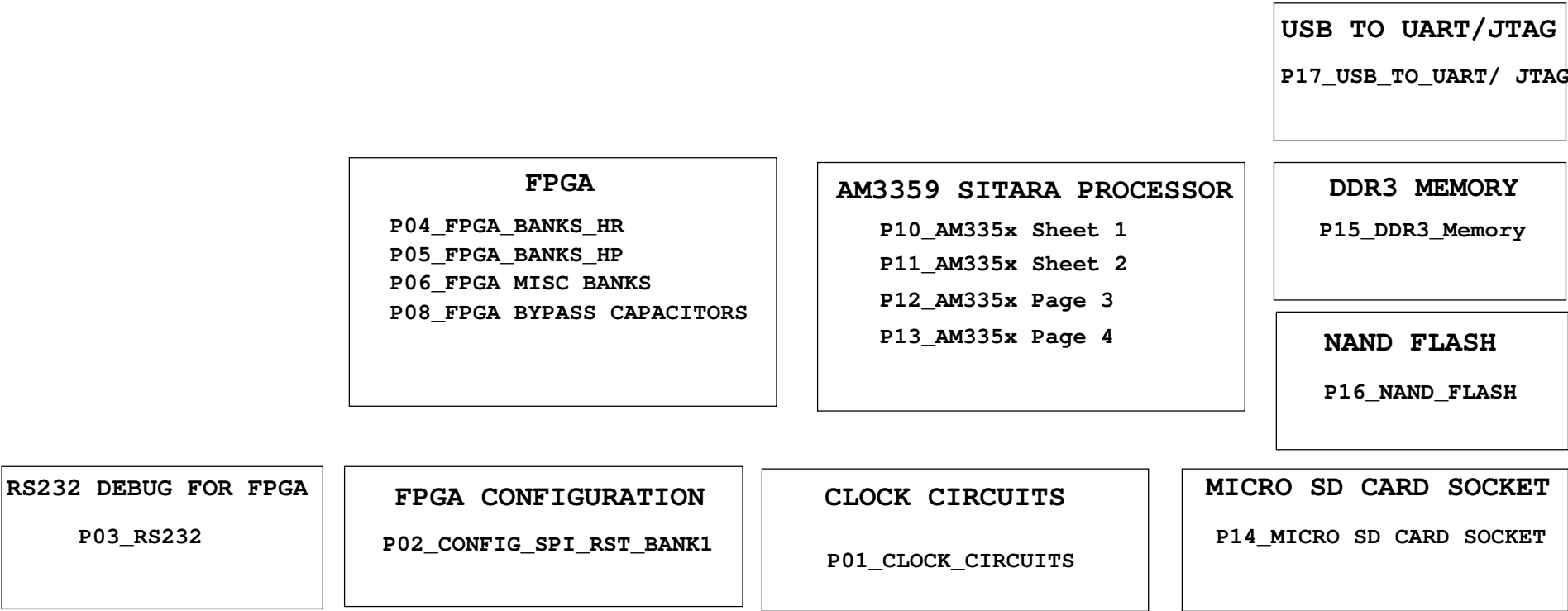
N. SAMBASIVA RAO
M. SANTHOSH
C. PRADEEP



	NAME	SIGN	DATE	TITLE: SCHEMATIC DIAGRAM FOR GCM PCB	DRG.NO: GCM20SBR-01-SD	RD REV:
DRN:						0A
CHD:						REV.
APPD:						0A
				SIZE : A3	SHEET.NO: 5 OF 25	

SCHEMATIC BLOCKS AND PAGE REFERENCES

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ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

	NAME	SIGN	DATE
DRN:	N.SAMBASIVA RAO		
CHD:	M.SANTHOSH		
APPD:	C.PRADEEP		

TITLE: SCHEMATIC DIAGRAM FOR GCM PCB	DRG.NO: GCM20SBR-01-SD	RD REV: 0A
		REV: 0A
SIZE : A3	SHEET.NO: 1 OF 25	

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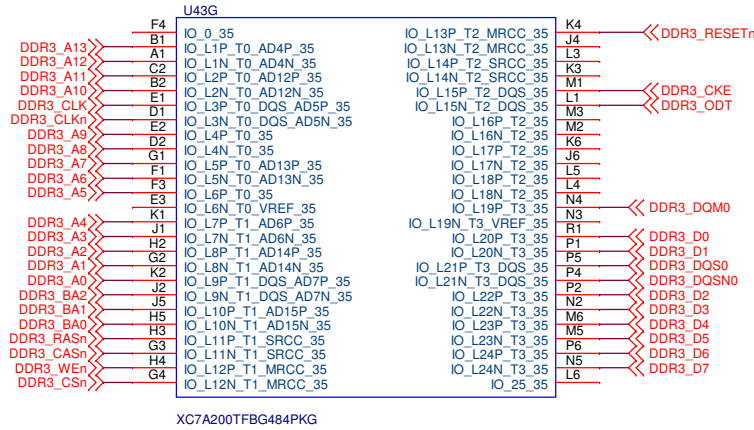
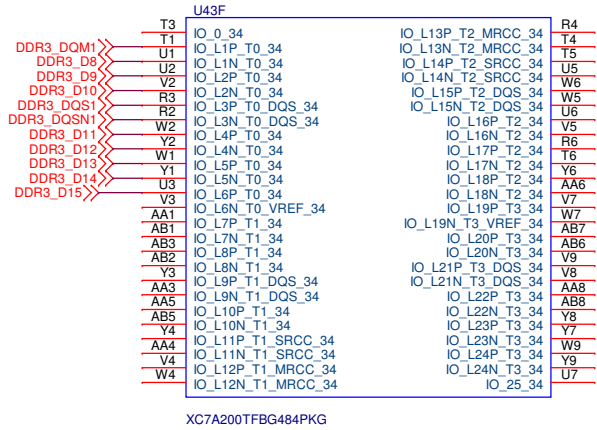
ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

	NAME	SIGN	DATE
DRN:	N.SAMBASIVA RAO		
CHD:	M.SANTHOSH		
APPD:	C.PRADEEP		

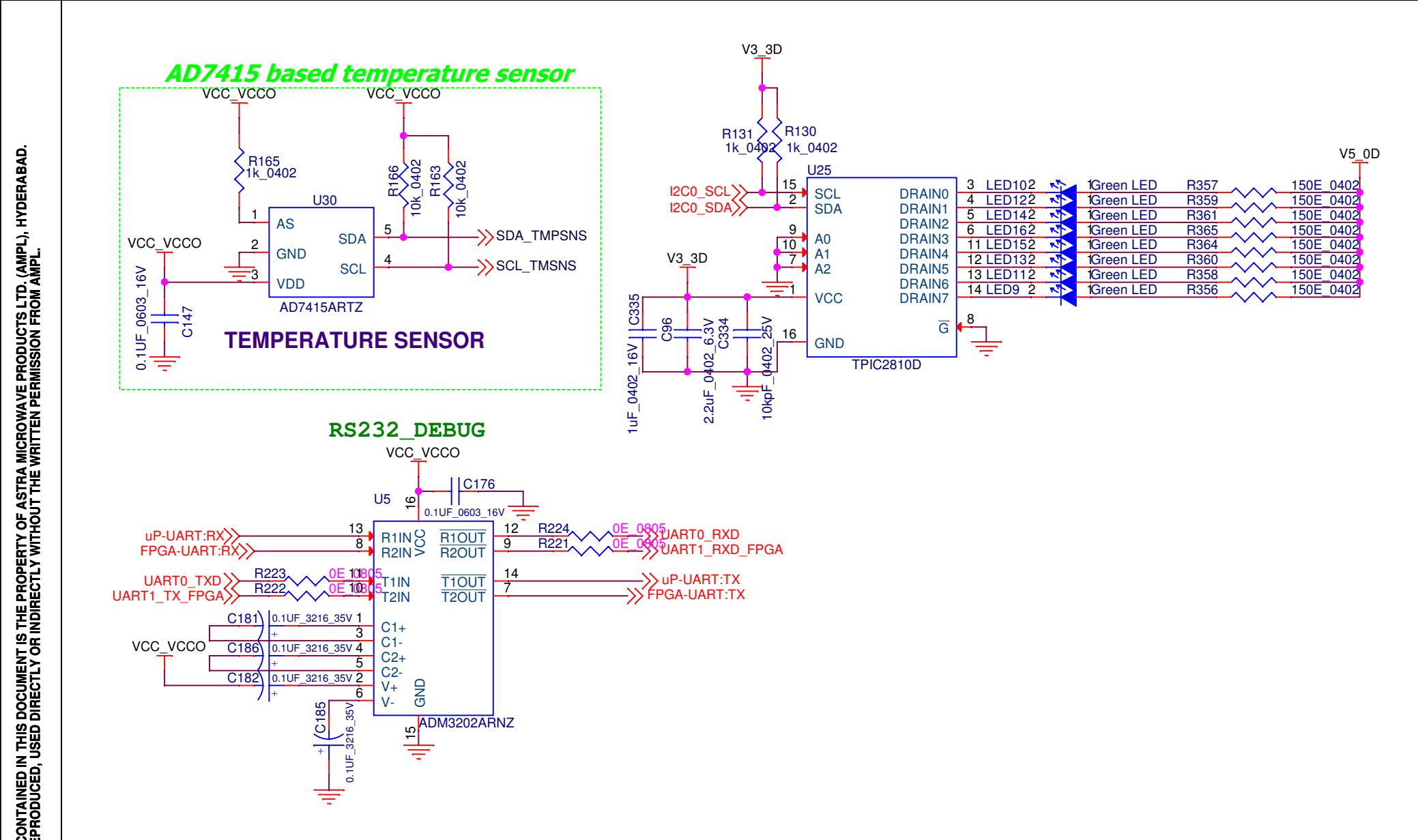
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SCHEMATIC DIAGRAM FOR GCM PCB
SIZE : A3

DRG.NO:	GCM20SBR-01-SD
SHEET.NO: 6 OF 25	

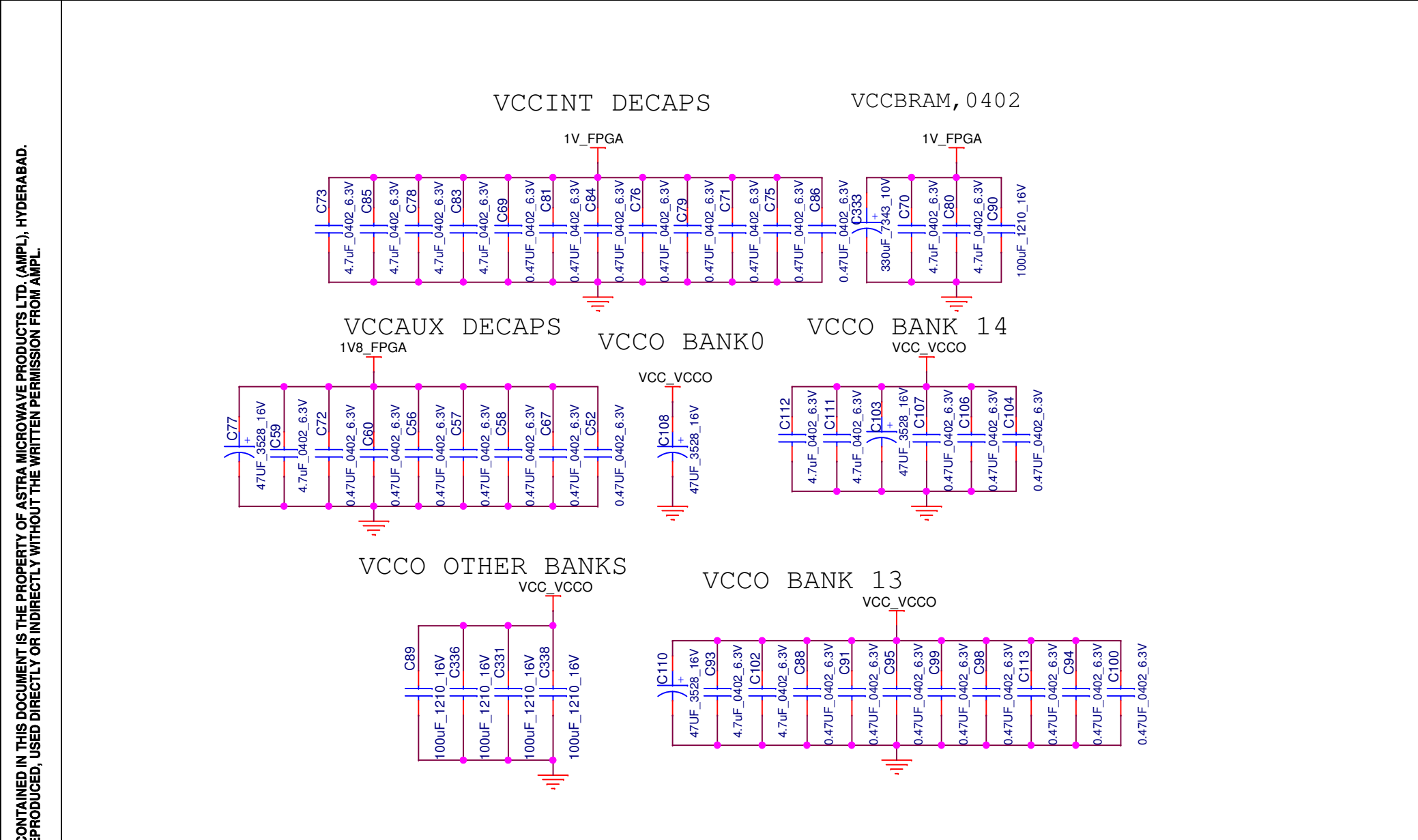
RD REV:	0A
REV.	0A

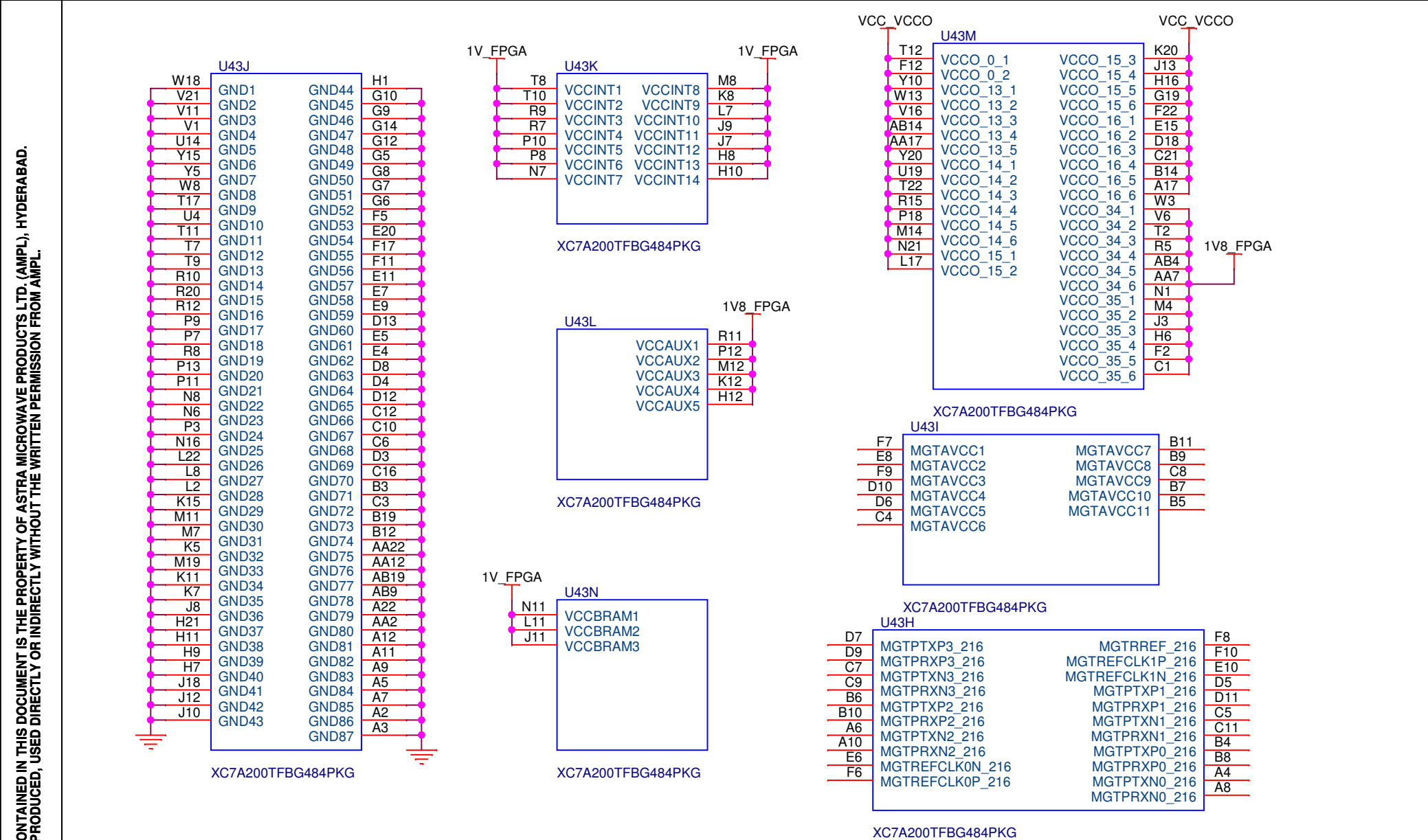


REV.	C.N.No.	ZONE	BRIEF CHANGE RECORD			APPD.



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			DRN:	N.SAMBASIVA					REV. 0A
			CHD:	M.SANTHOSH					
			APPD:	C.PRADEEP					
			SIZE : A4			SHEET.NO: 13 OF 25			

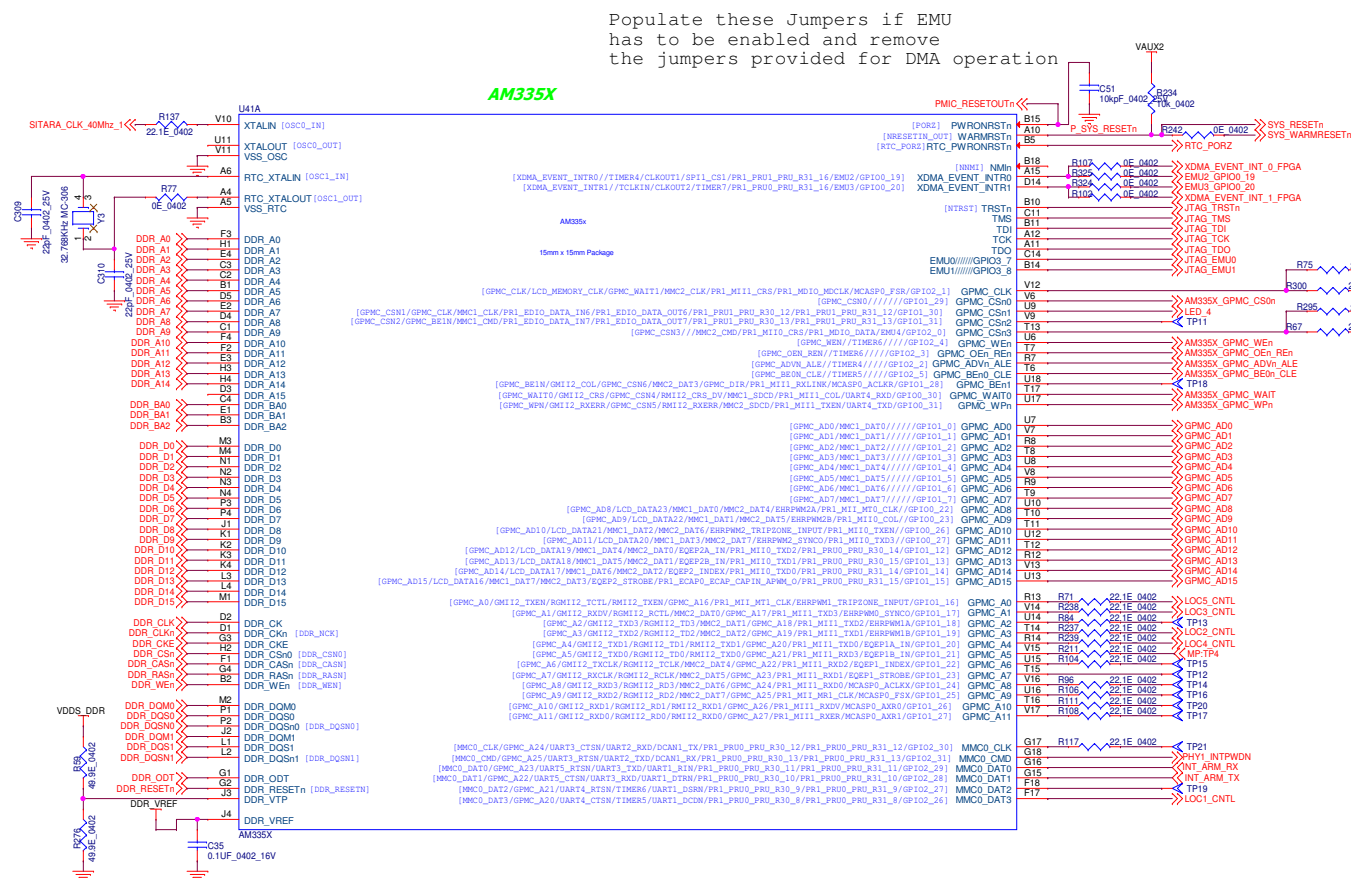




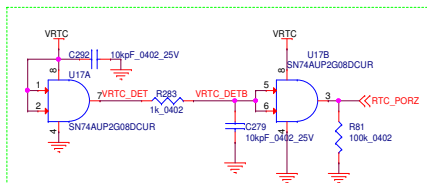
APPD.

GCM20SBR-01-SD

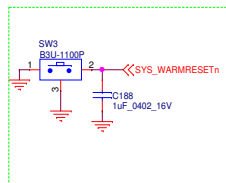
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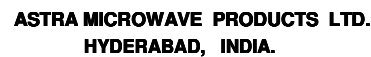
RTC POWER ON RESET



WARM RESET SWITCH



15mm x 15mm Package



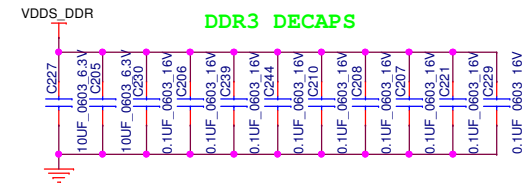
TITLE: SCHEMATIC DIAGRAM FOR
MAIN BOARD

SIZE : A3

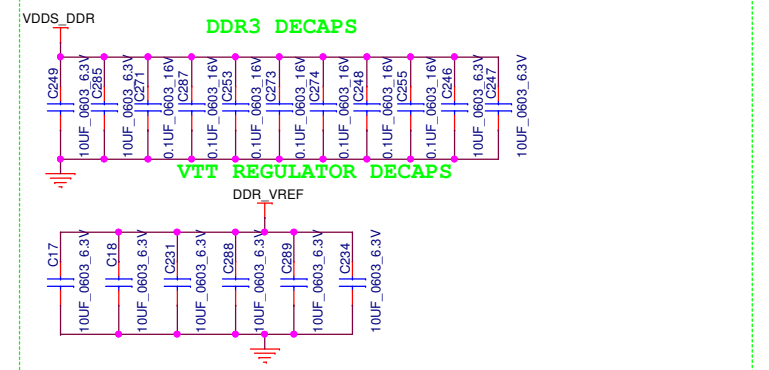
SHEET.NO: 12 OF 25

REV.	
0A	

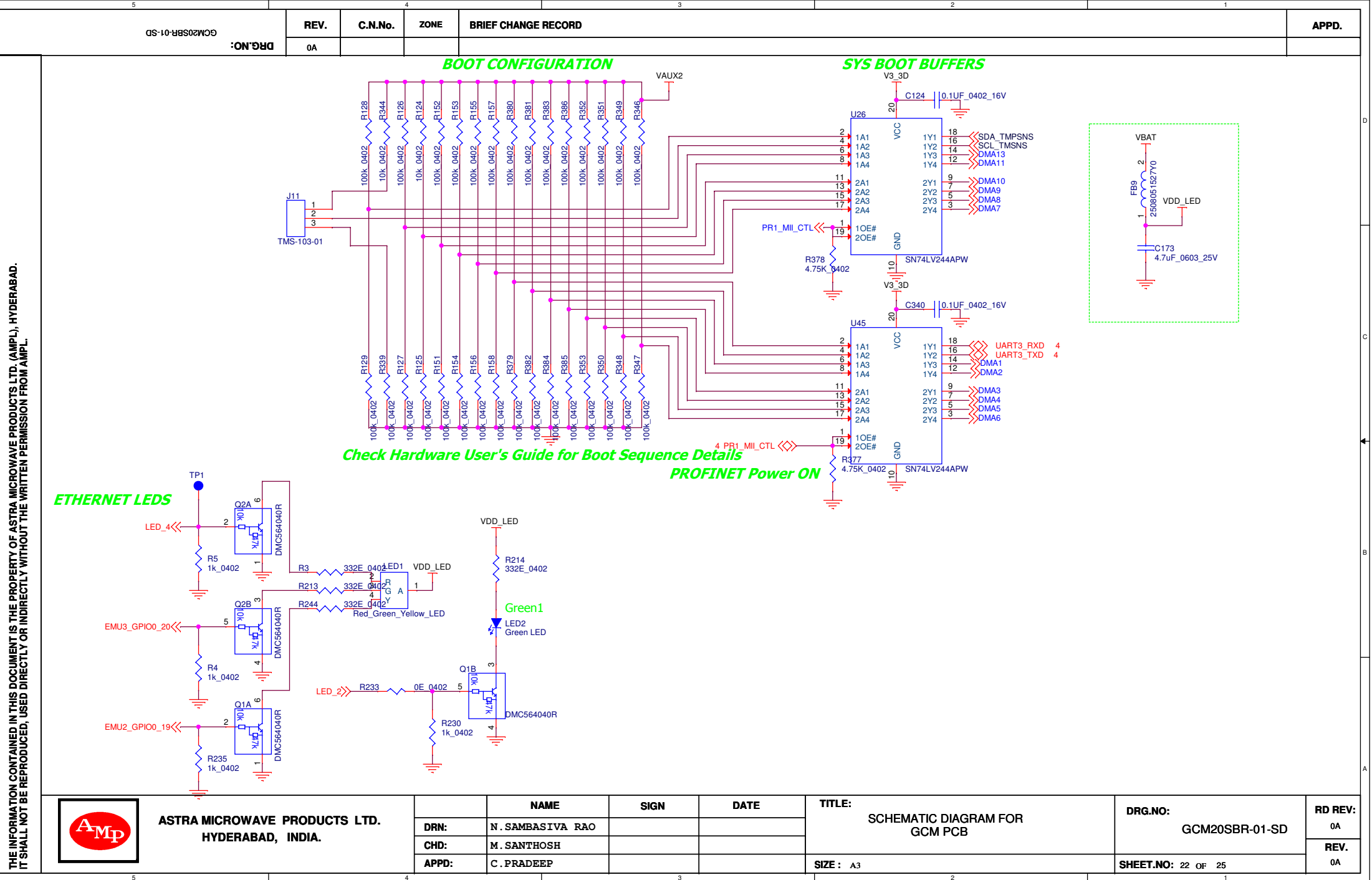
SHEET.NO: 15 OF 25



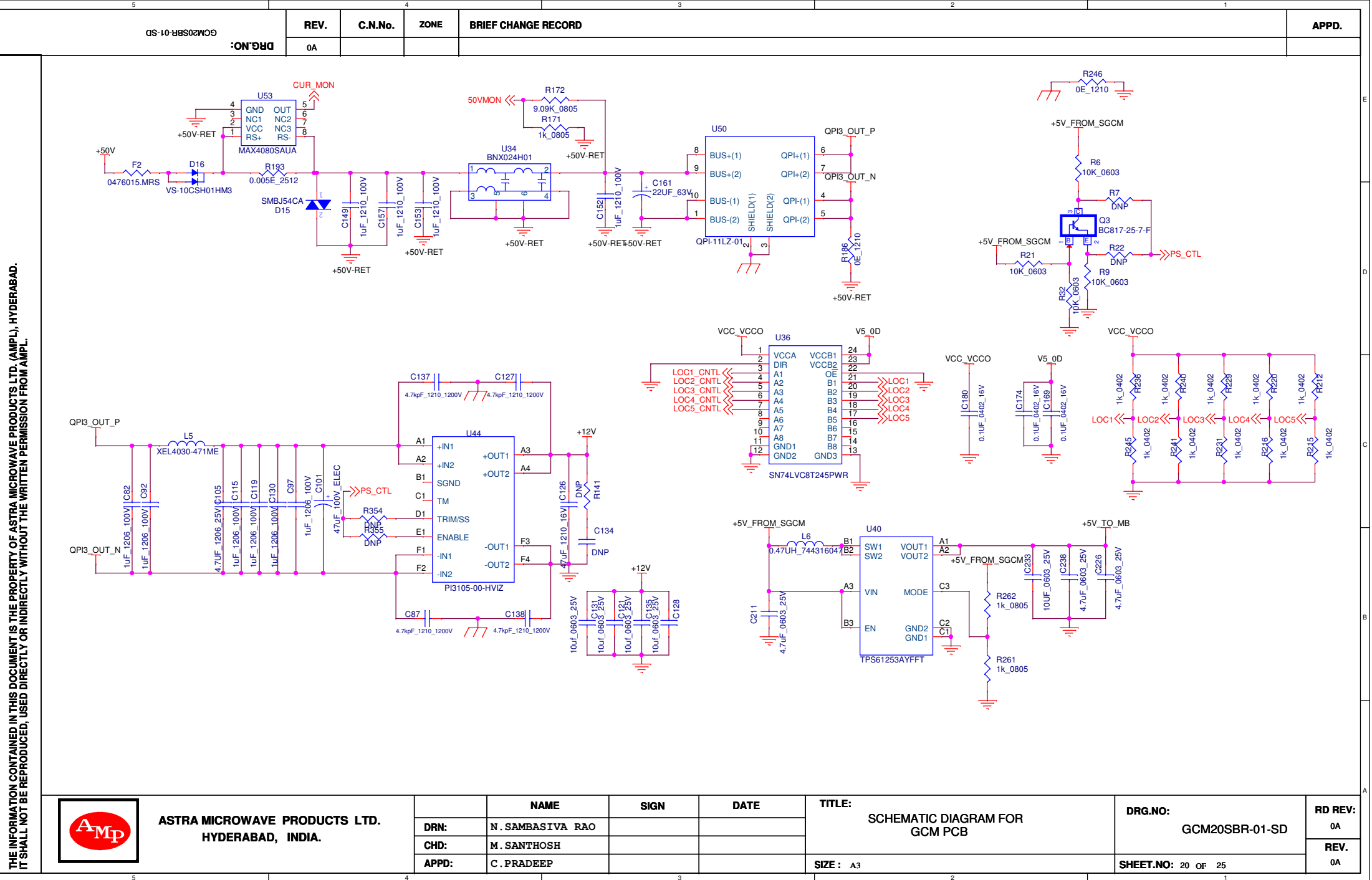
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ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

	NAME	SIGN	DATE
DRN:	N.SAMBASIVA RAO		
CHD:	M.SANTHOSH		
APPD:	C.PRADEEP		

TITLE:	SCHEMATIC DIAGRAM FOR GCM PCB
SIZE :	A3

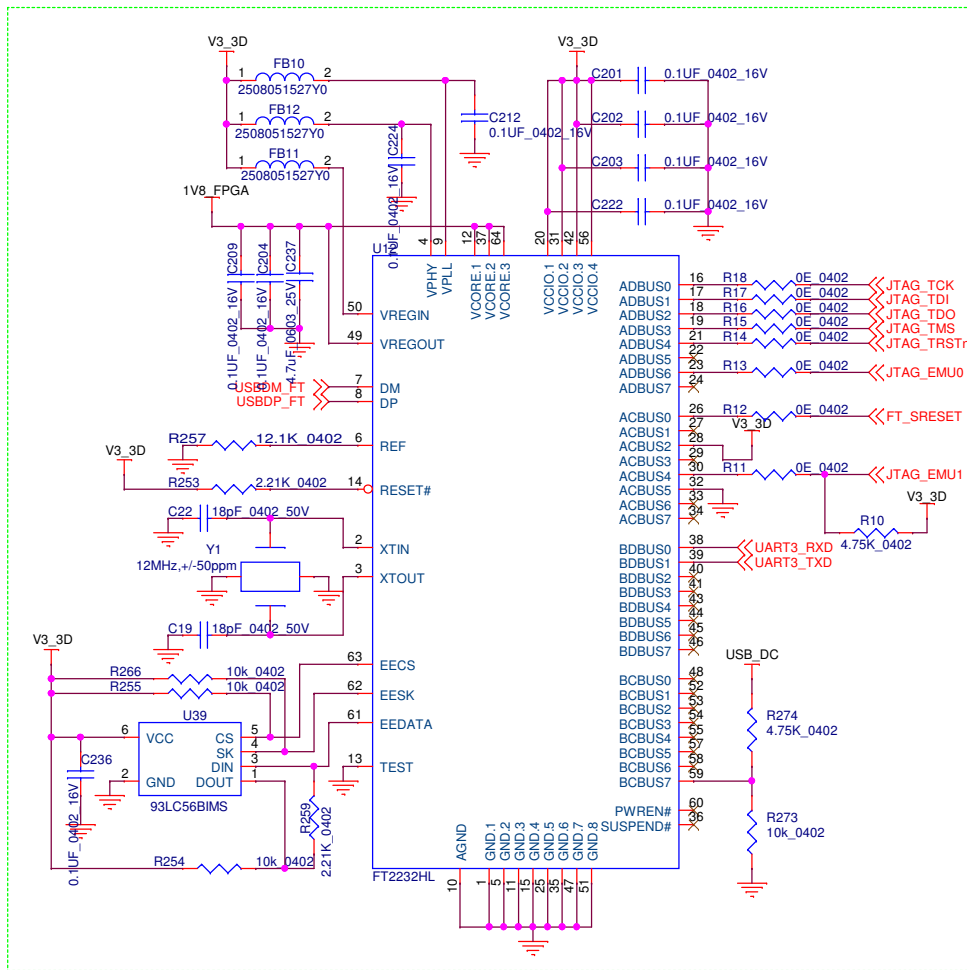
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SHEET.NO:	20 OF 25

RD REV:	0A
REV:	0A

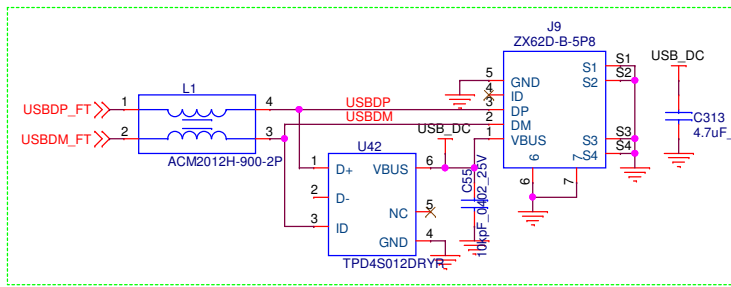
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REV.		C.N.No.	ZONE	BRIEF CHANGE RECORD	APPD.
0A					

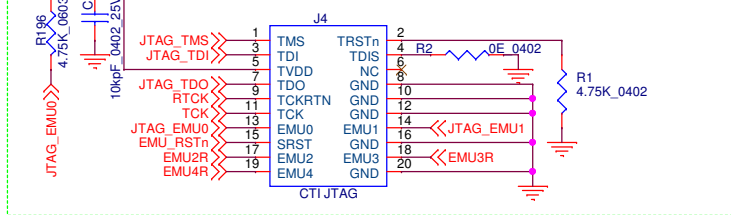
USB TO UART / JTAG(OPTIONAL ON THE BOARD)



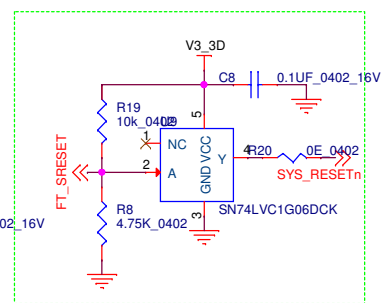
Micro USB-AB (OPTIONAL ON THE BOARD)



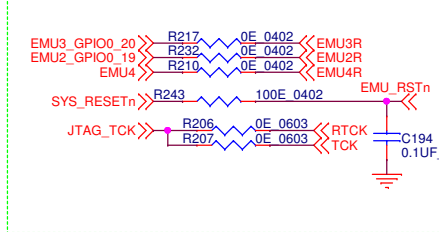
10X2 JTAG HEADER



FT2232L RESET



BREAK UP RESISTORS



ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

NAME	SIGN	DATE	TITLE:	DRG.NO:	RD REV:
DRN: N.SAMBASIVA RAO			SCHEMATIC DIAGRAM FOR GCM PCB	GCM20SBR-01-SD	0A
CHD: M.SANTHOSH					REV.
APPD: C.PRADEEP					0A

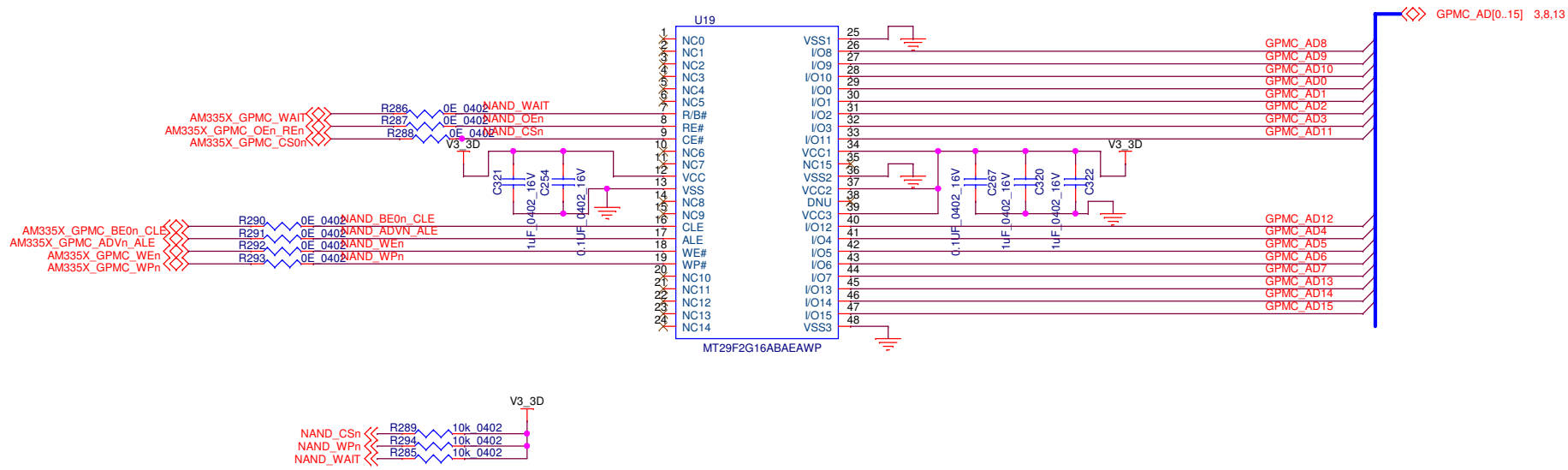
SIZE : A3

SHEET.NO: 19 OF 25

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5	4	3	2	1	
GCM20SBR-01-SD					APPD.
DRG.NO: 0A					
REV. 0A					
C.N.No.					
ZONE					
BRIEF CHANGE RECORD					

NAND FLASH MEMORY INTERFACE



ASTRA MICROWAVE PRODUCTS LTD.
HYDERABAD, INDIA.

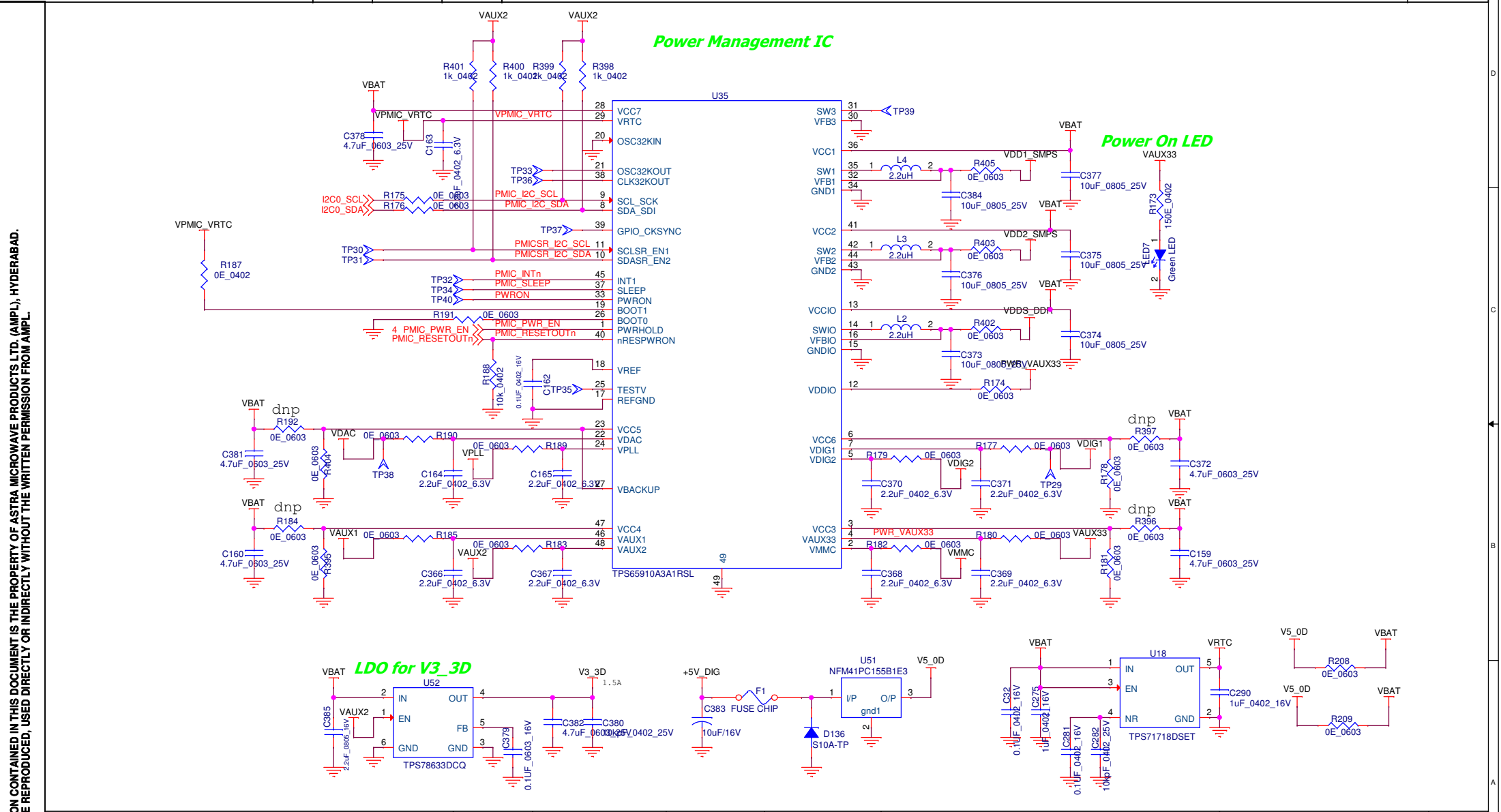
NAME	SIGN	DATE
DRN: N.SAMBASIVA RAO		
CHD: M.SANTHOSH		
APPD: C.PRADEEP		

TITLE: SCHEMATIC DIAGRAM FOR GCM PCB	DRG.NO: GCM20SBR-01-SD	RD REV: 0A
		REV. 0A
SIZE : A3	SHEET.NO: 18 OF 25	

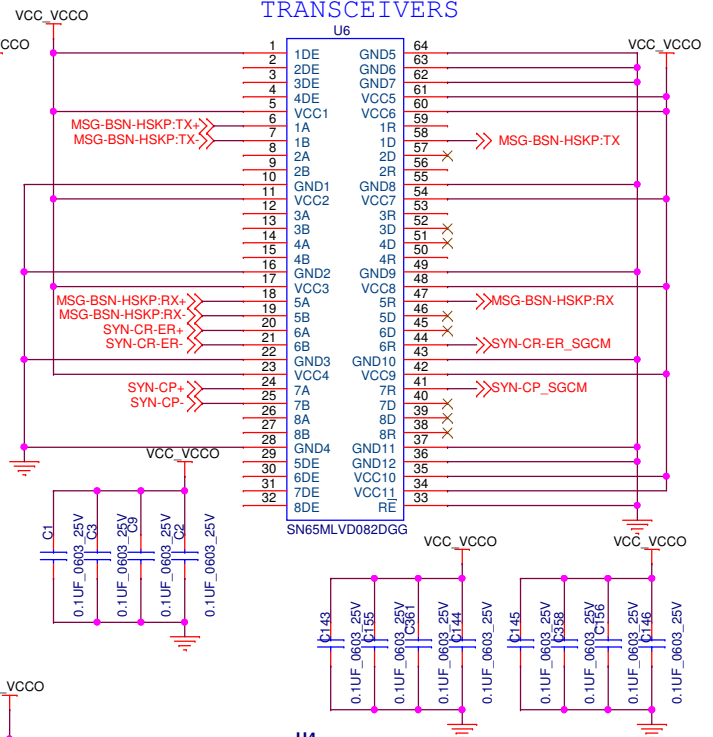
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D
C
B
A

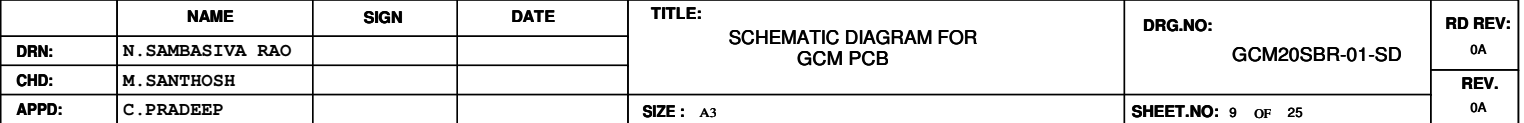
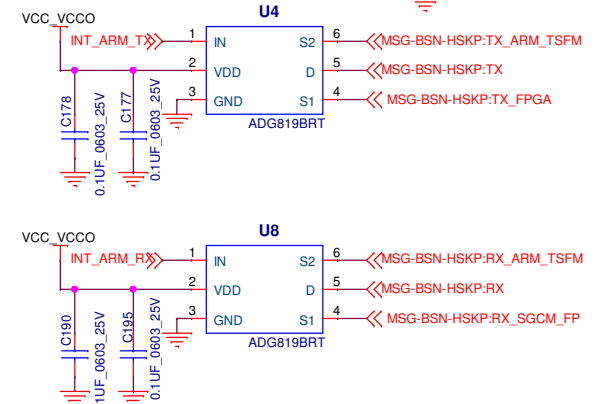
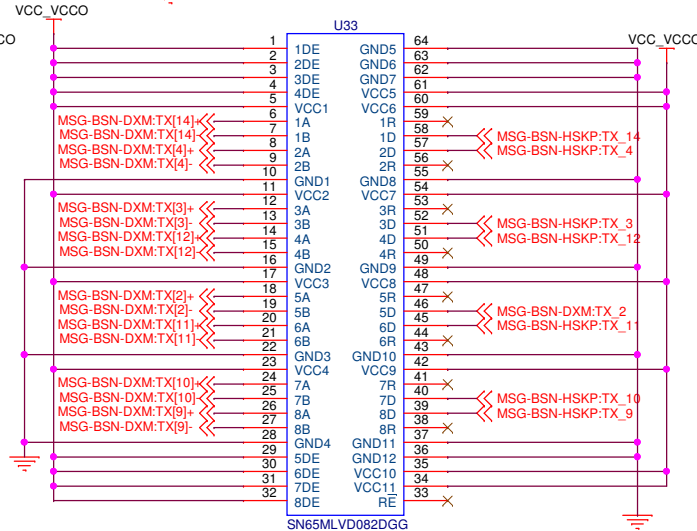
GCM20SBR-01-SD		REV.	C.N.No.	ZONE	BRIEF CHANGE RECORD	APPD.
DRG.NO:		0A				



TRANSCIVERS



TRANSMITTERS



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