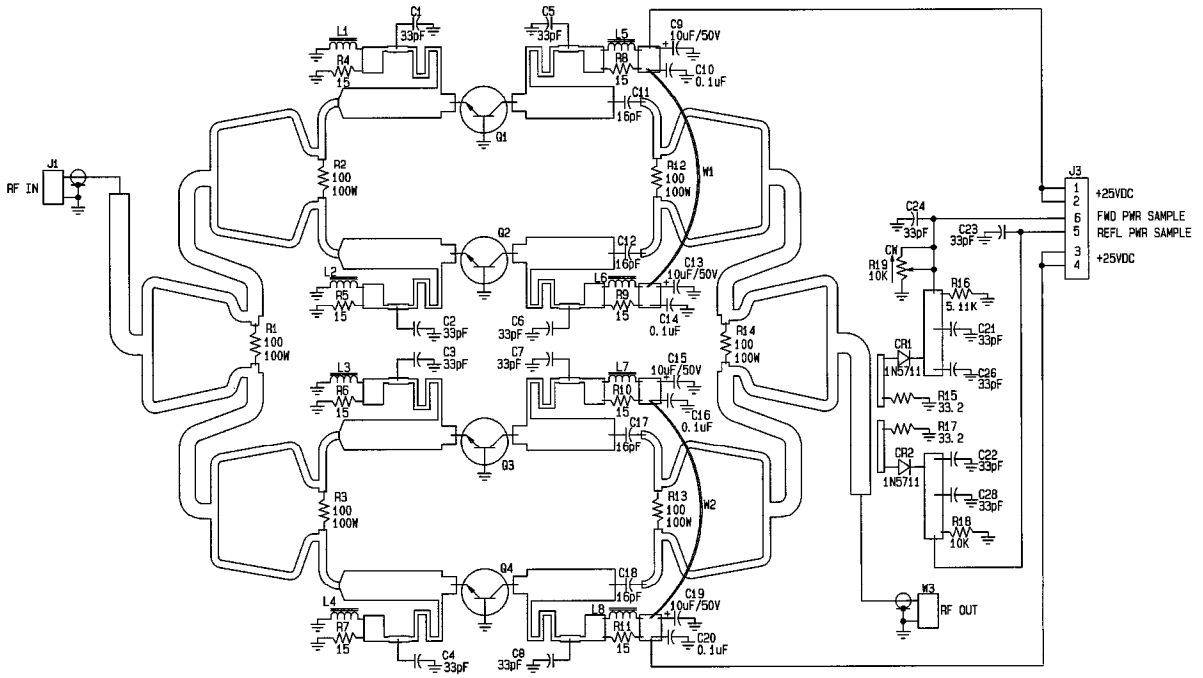
GLENAYRE ELECTRONICS		DWG NO. 285-0082-007			
LTR	ECN	DESCRIPTION	DFTM	DATE	CHK
A	-----	FINAL RELEASE	ELP	6-3-93	MJS
B	4288	R16 WAS 10K; R15 AND R17 WERE 51.1	ELP	12-9-93	MJS
C	4718	REMOVED TRANSISTOR PART NUMB.	TKB	8-1-94	MJS
D	5103	R16 WAS 1.74K; ADDED R19.	ELP	3-15-95	SMG
E	10262	C9, C13, C15, C19 WERE 10uF/35V	ELP	7-19-95	



NOTES : 1) ALL RESISTORS ARE IN OHMS.

THIS INFORMATION IS PROPRIETARY AND MUST NOT BE COPIED AND/OR REVEALED TO THIRD PARTIES WITHOUT WRITTEN CONSENT OF GLENAYRE ELECTRONICS.	DIMENSIONS IN INCHES TOLERANCE UNLESS NOTED: DECIMALS .XX = +/-.010 .XXX = +/-.003	Glenayre ELECTRONICS QUINCY, ILLINOIS
A/W 278-0082-054/5 058/9	DR. BY ELP 2-17-92	TITLE PCBE, SCH PA BOARD
S/S NONE	CHKD MJS 6-3-93	
S/W 278-0082-053/057	M.E. MJS 6-3-93	MATERIAL
SCH THIS DRAWING	E.E. GAM 6-3-93	FINISH
FAB 254-0082-007	SCALE NONE	DWG NO. 285-0082-007
ASY 263-0082-007	MODEL GOLDLINE	

NOTES : 1) ALL RESISTORS ARE IN OHMS.

REV	ECN	DESCRIPTION	DFTM	DATE	CHK
B	11763	R2 WAS 51.1K	JTB	11/96	
A	---	FINAL RELEASE	ELP	8/93	SWS

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DR.BY	ELP	DATE	11/8/93
ASY	263-0082-021	E.E.	
FAB	254-0082-031	M.E.	
SCH	THIS DRAWING	MFG	
MODEL	GOLDLINE	SCALE	NONE

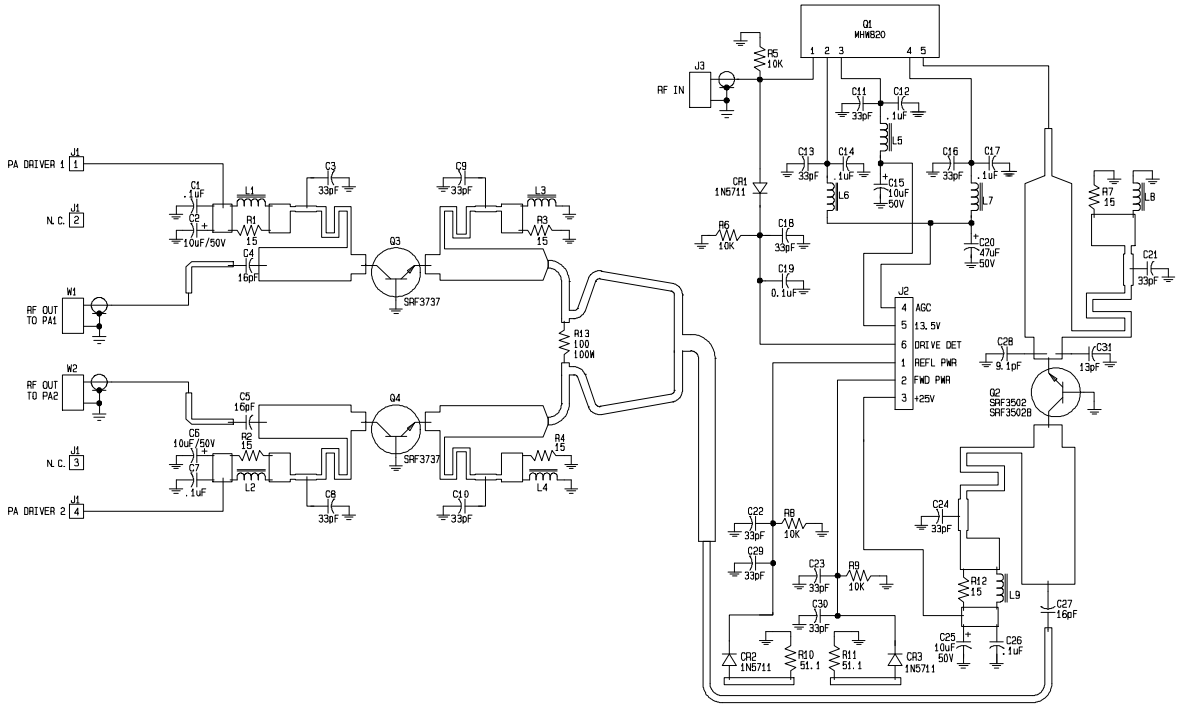
Glenayre ELECTRONICS
QUINCY OPERATIONS ONE QUINTRON WAY
QUINCY, IL 62301
FAX 217-223-3264 217-223-3211 TELEX 46-4336

TITLE
PCBT, SCH
250W COMBINER BOARD

DWG NO. 285-0082-021 SHEET 1 OF 1

F	10917	ADDED C31	ELP	6-10-96	
G	11305	C20 WAS 10uF	ELP	6-10-96	

GLENAYRE ELECTRONICS			DWG NO. 285-0082-022		
LTR	ECN	DESCRIPTION	DFTM	DATE	CHK
A	-----	FINAL RELEASE	ELP	11-8-93	MJS
B	4535	ADDED C29, C30 ; W1, W2 LABELS	ELP	4-13-94	MJS
C	10042	R13 WAS R6	ELP	3-15-95	SWS
D	10264	C2, C6, C15, C20, C25 WERE 10uF/35V	ELP	7-20-95	SWS
E	10917	Q2 WAS SRF3737	ELP	2-26-96	SWS



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DIMENSIONS IN INCHES
TOLERANCE UNLESS NOTED:
DECIMALS
.XX = +/-.010
.XXX = +/-.003

A/W	278-0082-156 THRU 160
S/S	NONE
S/W	NONE
SCH	THIS DRAWING
FAB	254-0082-032
ASY	263-0082-022
DR. BY	ELP 11-8-93
CHKD	MJS 11-9-93
M.E.	MJS 11-9-93
E.E.	GAW 11-9-93
SCALE	NONE
MODEL	GOLDLINE

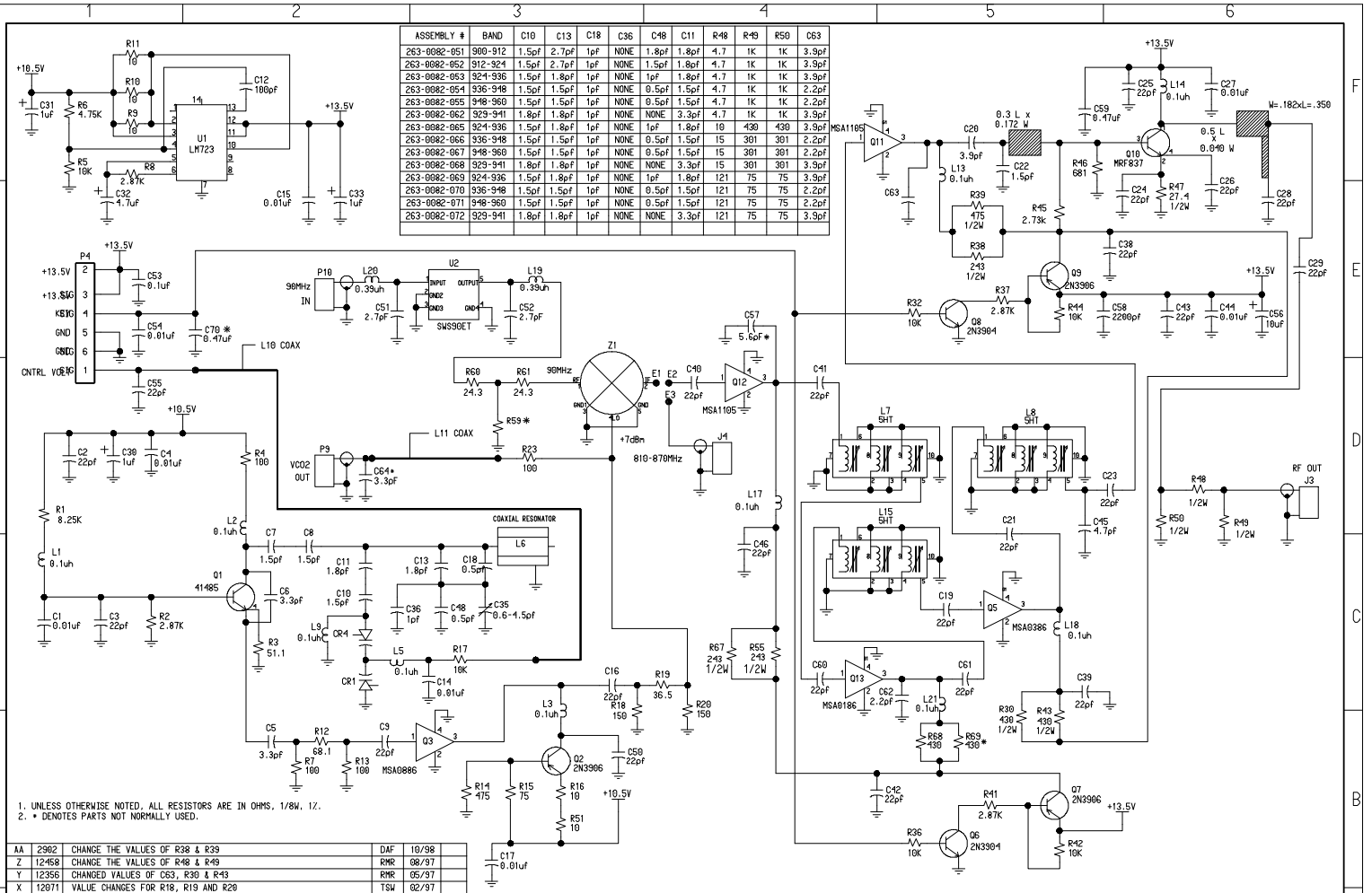
Glenayre ELECTRONICS
QUINCY, ILLINOIS

TITLE
PCBE, SCH
250W DRIVER BOARD

MATERIAL

FINISH

DWG NO. 285-0082-022



ASSEMBLY #	BAND	C10	C13	C18	C36	C48	C11	R48	R49	R50	C63
263-0082-051	900-912	1.5pf	2.7pf	1pf	NONE	1.8pf	1.8pf	4.7	1K	1K	3.9pf
263-0082-052	912-924	1.5pf	2.7pf	1pf	NONE	1.5pf	1.8pf	4.7	1K	1K	3.9pf
263-0082-053	924-936	1.5pf	1.8pf	1pf	NONE	1pf	1.8pf	4.7	1K	1K	3.9pf
263-0082-054	936-948	1.5pf	1.5pf	1pf	NONE	0.5pf	1.5pf	4.7	1K	1K	2.2pf
263-0082-055	948-960	1.5pf	1.5pf	1pf	NONE	0.5pf	1.5pf	4.7	1K	1K	2.2pf
263-0082-062	929-941	1.8pf	1.8pf	1pf	NONE	NONE	3.3pf	4.7	1K	1K	3.9pf
263-0082-065	924-936	1.5pf	1.8pf	1pf	NONE	1pf	1.8pf	10	430	430	3.9pf
263-0082-066	936-948	1.5pf	1.5pf	1pf	NONE	0.5pf	1.5pf	15	301	301	2.2pf
263-0082-067	948-960	1.5pf	1.5pf	1pf	NONE	0.5pf	1.5pf	15	301	301	2.2pf
263-0082-068	929-941	1.8pf	1.8pf	1pf	NONE	NONE	3.3pf	15	301	301	3.9pf
263-0082-069	924-936	1.5pf	1.8pf	1pf	NONE	1pf	1.8pf	121	75	75	3.9pf
263-0082-070	936-948	1.5pf	1.5pf	1pf	NONE	0.5pf	1.5pf	121	75	75	2.2pf
263-0082-071	948-960	1.5pf	1.5pf	1pf	NONE	0.5pf	1.5pf	121	75	75	2.2pf
263-0082-072	929-941	1.8pf	1.8pf	1pf	NONE	NONE	3.3pf	121	75	75	3.9pf

1. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE IN OHMS, 1/8W, 1%.
2. * DENOTES PARTS NOT NORMALLY USED.

REV	ECN	DESCRIPTION	DFTM	DATE	CHK
AA	2902	CHANGE THE VALUES OF R38 & R39	DAF	10/98	
Z	12458	CHANGE THE VALUES OF R48 & R49	RMR	08/97	
Y	12356	CHANGED VALUES OF C63, R30 & R43	RMR	05/97	
X	12071	VALUE CHANGES FOR R18, R19 AND R20	TSW	02/97	
W	12010	ADDED C70	JPP	01-97	
V	12009	ADDED C63 TO FREQUENCY CHART	JPP	01-97	
U	11869	ADDED TO FREQUENCY CHART	JPP	01-97	
T	11776	ADD C64	RMR	10/96	
S	11731	c20 was 3.9pf	RWS	10/96	
R	11699	CHANGED VALUES OF R48,49,50 ON MATRIX	RMR	9/96	
Q	11692	ADD ASSY 068 TO MATRIX, CHANGE VALUES OF R60&61	RMR	9/96	
P	11326	REV R45	RWS	4/96	
N	11306	REV R63	RWS	4/96	
M	11286	REVISED FREQ CHART	RWS	4/96	
L	11150	REV R59, R60, R61	RWS	3/96	
K	11124	REV. FREQ. CHART FOR 263-0082-062 C48	RWS	3/96	
J	11070	C45 WAS 5.6pF	RWS	2/96	
H	10898	ADDED FREQ. CHART FOR 263-0082-062	RWS	1/96	
G	10892	CHANGED VALUE OF C13 FOR 263-0082-052	MAD	11/95	
F	10837	CHANGED VALUE OF R48, R49, R50 &R39	MAD	11/95	
E	10835	CHANGED VALUE OF C13 FOR 263-0082-051	MAD	11/95	
D	10763	ADDED * TO C62	MAD	11/95	
C	10698	CHANGED VALUE OF R48, R49, & R50	MAD	11/95	
B	10288	ADD C63, CHG VALUE OF R68,R69,R30,R43	JPP	5/95	
A	10272	FINAL RELEASE	JPP	04/95	

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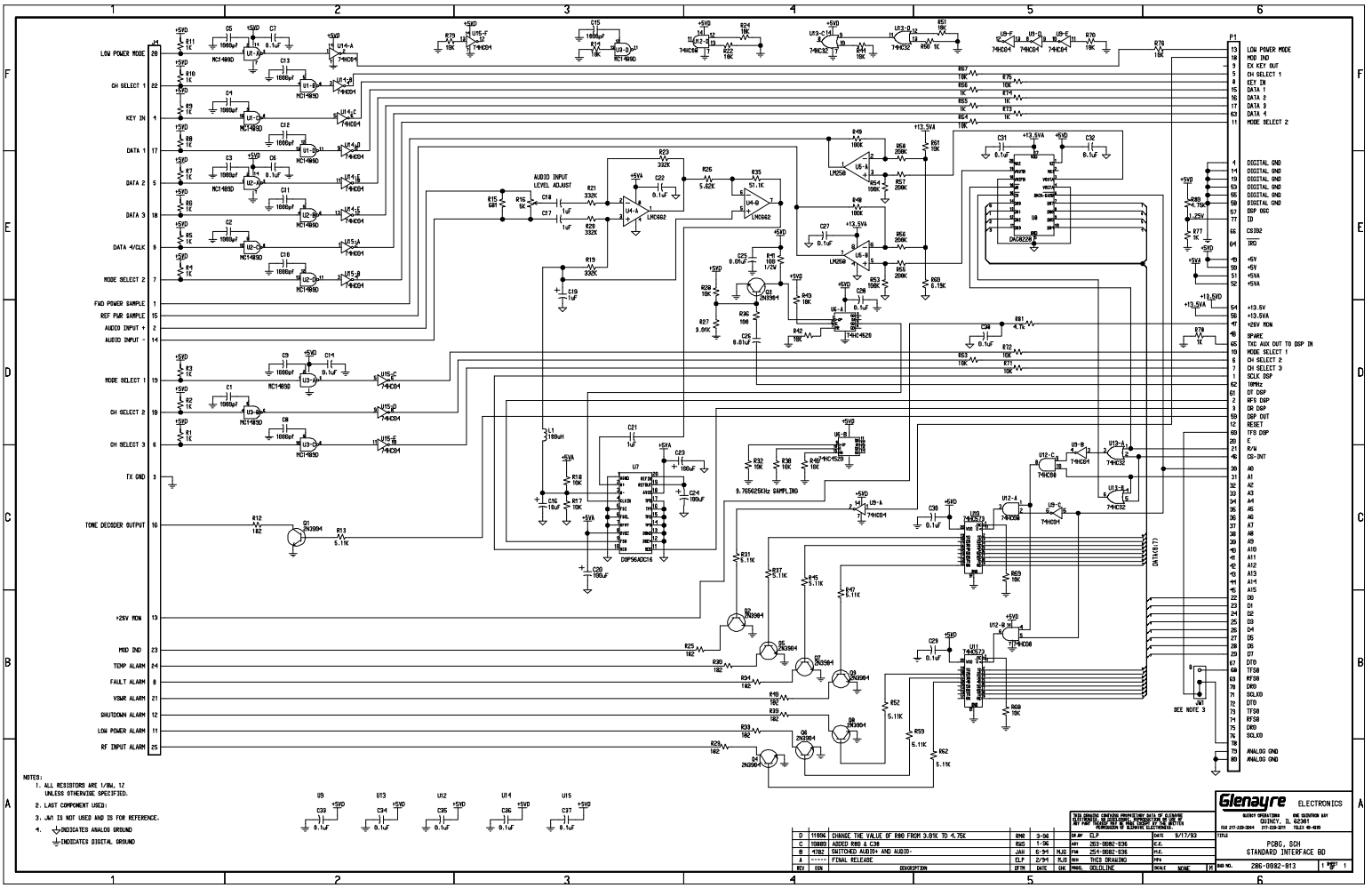
Glenayre ELECTRONICS
QUINCY OPERATIONS ONE QUONTRON WAY
QUINCY, IL 62301
FAX 217-223-3264 217-223-3211 TELEX 90-4330

DR.BY	JIM PARKS	DATE	01-15-95
ASY	263-0082-051 THRU 055	E.E.	MJD
FAB	254-0082-049	M.E.	SWS
SCH	285-0082-029	MFG	
MODEL	GOLDLINE	SCALE	NONE

TITLE: PCBG, SCH
900 MHZ VCO/RFAMP2

DWG NO. 285-0082-029 SHEET 1 OF 1



NOTES:
1. ALL RESISTORS ARE 1/8W, 1Z UNLESS OTHERWISE SPECIFIED.
2. LAST COMPONENT USED:
3. JW1 IS NOT USED AND IS FOR REFERENCE.
4. ⏚ INDICATES AVALOG GROUND
⏚ INDICATES DIGITAL GROUND

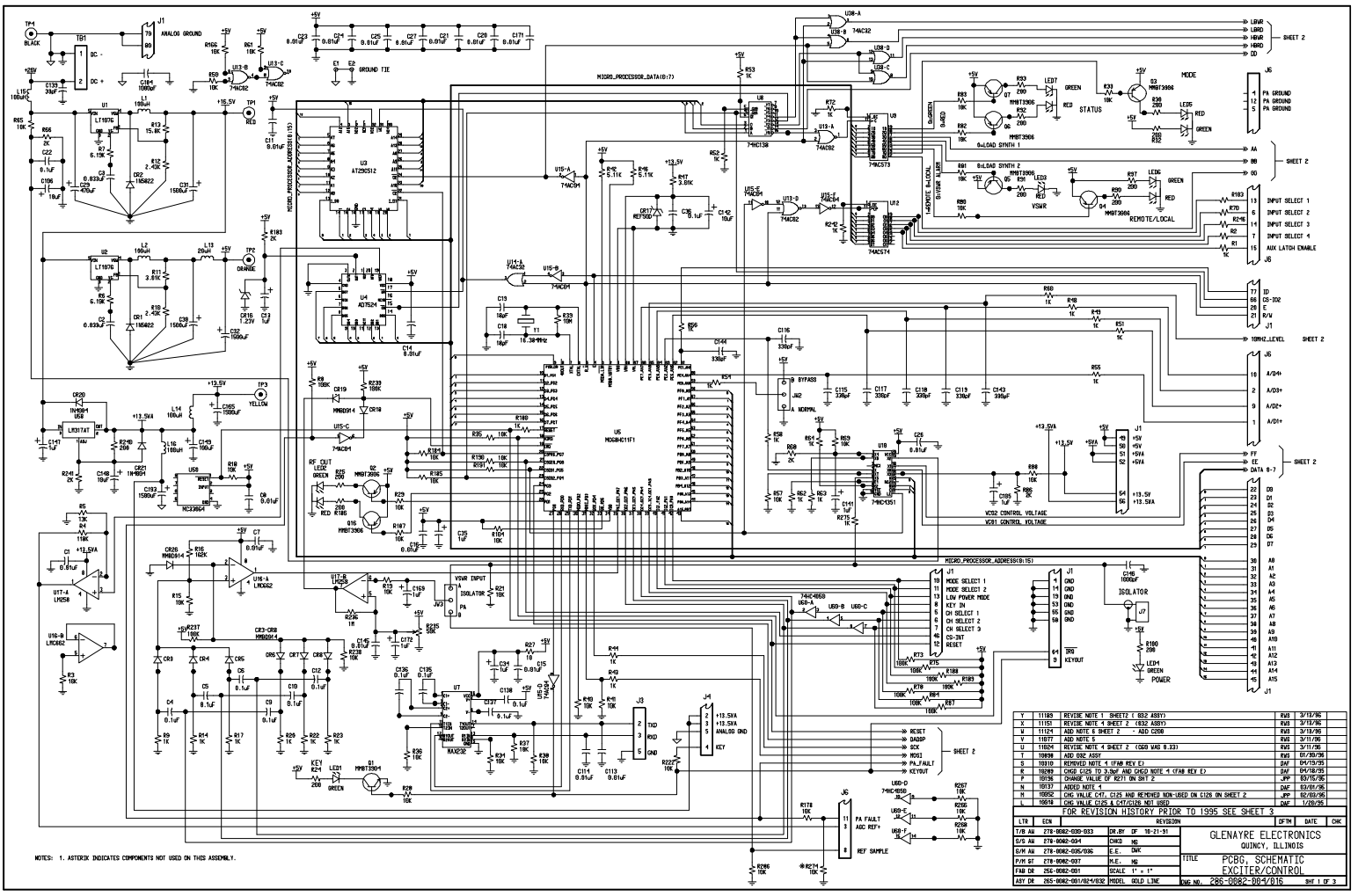
REV	ECN	DESCRIPTION	DFTR	DATE	CHK
D	11696	CHANGE THE VALUE OF R86 FROM 3.91K TO 4.75K	BMB	3-96	
C	10880	ADDED R86 & C38	RMS	1-96	
B	4782	SWITCHED AUDIO+ AND AUDIO-	JAM	6-94	MJS
A	-----	FINAL RELEASE	ELP	2/94	MJS

DR BY	ELP	DATE	9/17/93
APP	Z83-0982-836	C.E.	
ENG	Z54-0982-836	M.E.	
MFR	THIS DRAWING	MFR	
PROD.	GOLDLINE	SCALE	NONE

Glenayre ELECTRONICS
GLENAYRE DIRECTION
QUINCY, IL 62301
PHONE 217-228-3044 217-228-3010 TELEX 43-4310

TITLE: PCBC, SCH
STANDARD INTERFACE BD

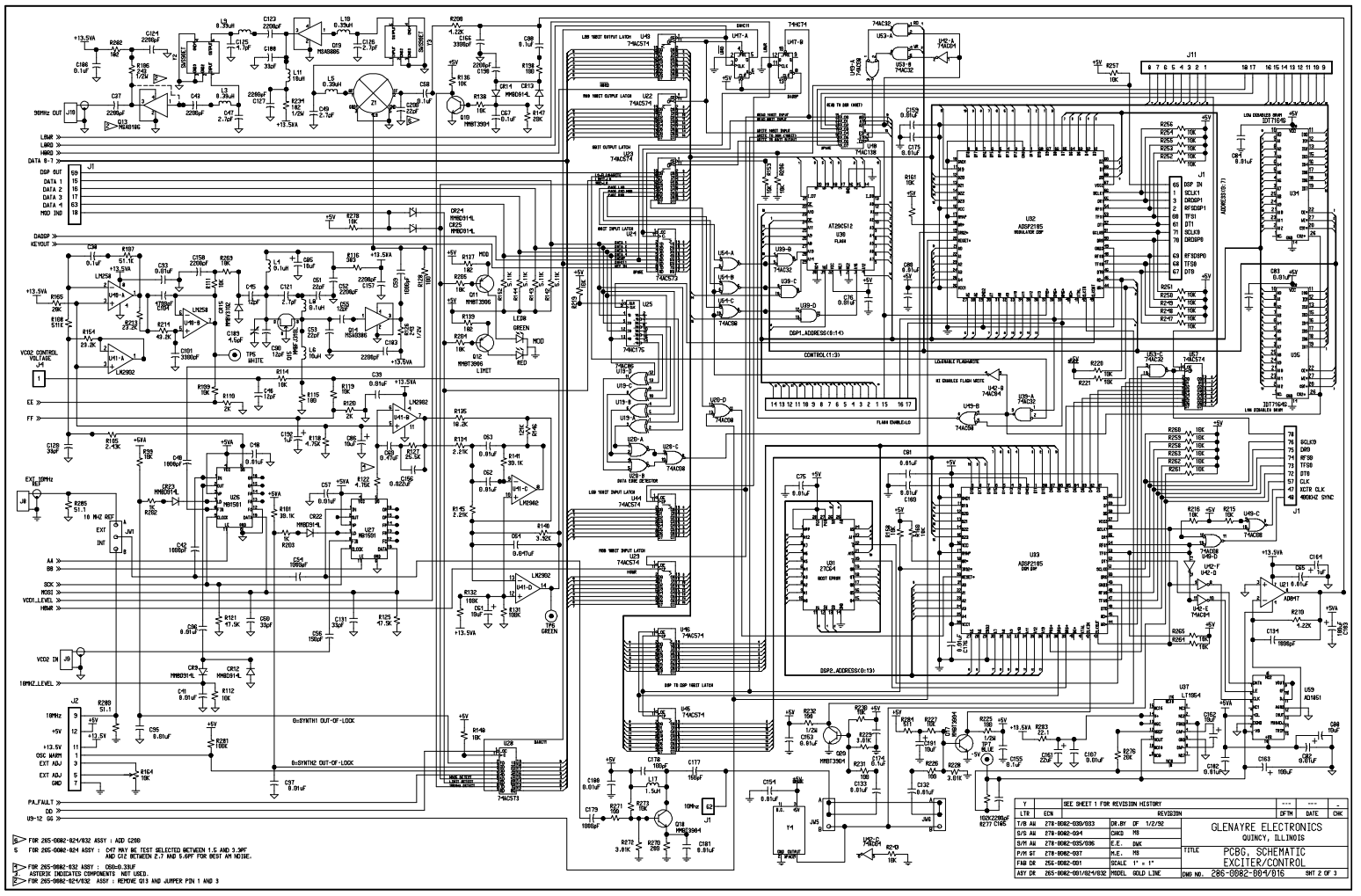
DWG NO. Z86-0982-813 REV 1 SHT 1



NOTES: 1. ASTERIX INDICATES COMPONENTS NOT USED ON THIS ASSEMBLY.

LTR	ECN	REVISION	DFTM	DATE	CHK
Y	11189	REVISE NOTE 1 SHEET2 1 832 ASSY)	RWB	3/13/96	
X	11151	REVISE NOTE 4 SHEET 2 (832 ASSY)	RWB	3/13/96	
W	11124	ADD NOTE 6 SHEET 2 - ADD C200	RWB	3/13/96	
V	11077	ADD NOTE 5	RWB	3/11/96	
U	11024	REVISE NOTE 4 SHEET 2 (CG9 WAS 0.33)	RWB	3/11/96	
T	10958	ADD 832 ASSY	RWB	01/30/96	
S	10310	REMOVED NOTE 4 (FAB REV E)	DAF	04/13/95	
R	10289	CHGD C125 TO 3.9pF AND CHGD NOTE 4 (FAB REV E)	DAF	04/18/95	
P	10126	CHANGE VALUE OF R271 ON SHT 2	JPP	03/15/95	
N	10137	ADDED NOTE 4	DAF	03/01/95	
M	10052	CHG VALUE C47, C125 AND REMOVED NON-USED ON C126 ON SHEET 2	JPP	02/03/95	
L	10018	CHG VALUE C125 & C47/C126 NOT USED	DAF	1/20/95	
		FOR REVISION HISTORY PRIOR TO 1995 SEE SHEET 3			

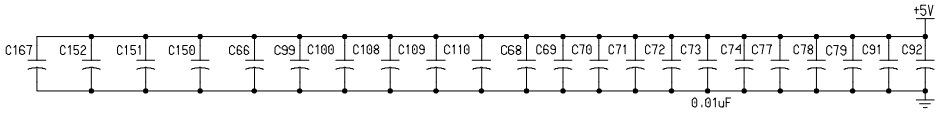
T/B AM	278-0062-030-033	DR.BY DF 10-21-91	GLENAYRE ELECTRONICS QUINCY, ILLINOIS
B/S AM	278-0062-004	CHKD MS	
B/M AM	278-0062-035/036	E.E. DAK	
P/M SF	278-0062-037	M.E. MS	TITLE PCBG, SCHEMATIC EXCITER/CONTROL
FAB DR	255-0062-001	SCALE 1" = 1"	
ASY DR	255-0062-001/824/832	MODEL GOLD LINE	DWG NO. 286-0062-004/016 SHT 1 OF 3



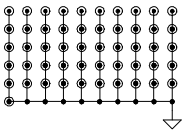
FOR 265-0082-824/832 ASSY : ADD C200
S FOR 265-0082-824 ASSY : CX7 MAY BE TEST SELECTED BETWEEN 1.5 AND 3.9PF AND CX8 BETWEEN 2.7 AND 5.6PF FOR BEST AM NOISE.

FOR 265-0082-832 ASSY : D59=9.53UF
ASTERIX INDICATES COMPONENTS NOT USED.
FOR 265-0082-824/832 ASSY : REMOVE Q13 AND JUMPER PIN 1 AND 3

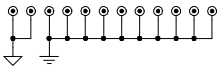
V	SEE SHEET 1 FOR REVISION HISTORY			---	---
LTR	ECN	REVISION		DFTM	DATE CHK
T/B AM	278-0082-030/033	DR.BY DF 1/2/02	GLENAYRE ELECTRONICS		
S/S AM	278-0082-034	CHKD MB	QUINCY, ILLINOIS		
S/M AM	278-0082-035/036	E.E. DMK	TITLE PCBG, SCHEMATIC		
P/M ST	278-0082-037	M.E. MB	EXCITER/CONTROL		
FAB DR	255-0082-001	SCALE 1" = 1"			
ASY DR	265-0082-001/824/832	MODEL GOLD LINE	DWG NO. 286-0082-004/016		SHT 2 OF 3



ALL HOLES FOR CANS ARE GROUNDED
51 TOTAL



ALL MOUNTING HOLES ARE GROUNDED
2 TIED TO SGROUND 10 TIED TO GROUND



THIS REVISION BLOCK IS PRIOR 1995 HISTORY.
IT IS FOR REFERENCE ONLY AND SHOULD NOT BE CHANGED.

K	5956	ENG CHANGES/ADD J4E	DAF	9/26/94
J	4916	ENG CHANGES/ADD R295	DAF	9/23/94
H	4759	CNG C121	RMS	7/18/94
G	4785	DELETE L16, C44	RMS	7/18/94
F	4682	DELETE L15, C170	RMS	7/18/94
E	4680	CHANGE R198, R147	RMS	7/18/94
D	4845	ADD R284, C191	RMS	7/18/94
C	4613	CHANGE U21	RMS	7/18/94
B	4248	ADD R260,DELETE C107	DF	9/93
A		FINAL RELEASE	DF	6/93

SEE SHEET 1 FOR ECN AND REVISION HISTORY

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Glenayre ELECTRONICS
GLENAYRE DEVELOPMENT
900 JORIDON BAY
QUINCY, IL 62301
PHONE 217-228-3044 FAX 217-228-3210 TELEX 46-4910

DR BY	D. FLESNER	DATE	9/26/94
APP	Z05-0982-881/824/832	C.E.	
PM	Z54-0982-881	M.E.	
MFR	Z86-0982-884/816	PPR	
PROD.	GOLDLINE	SCALE	NONE

TITLE
SCHEMATIC
EXCITER/CONTROL

DWG NO. Z86-0982-884/816 REV K SHEET 3