AD-4531A

DIGITAL INDICATOR

TECHNICAL INFORMATION

Tech-AD-4531A-v.1.a 94/10/26 HYM

AD-4531A



7 P Z : 2 7	7 0 2		
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C9~ C25 C26 22, 27, 28 C5, £	PC: 2702B CC: 0. 001U-C CC: 0. 01U500V CC: 0. 022U CC: 0. 1U25V-C	PRINTED CIRCUIT BOARD CAPACITOR 0.001 μ F 50V CAPACITOR 0.01 μ F 500V CAPACITOR 0.022 μ F CAPACITOR 0.1 μ F 25V	1 8 1 1 5
C17 ₂₄ C23, C7, 8 C2 C1	CC: 100P-C CM: HU1C104J-C CM: WU1C224J-C CT: 1C2R2-C CT: 1C4R7-C	CAPACITOR 100pF CAPACITOR 0.1 μF CAPACITOR 0.22 μF CAPACITOR 2.2 μF 16V CAPACITOR 4.7 μF 16V	5 2 2 1 1
D1~ D5, 6 J2 J1 J4	DI:1SS187-C DI:1SS226-C JI:11P-S2T2-EF JK:JMI6LH-10BCT KO:361A-S20GR/Y		4 2 1 2
L8; L1~ L7; Q1~ R36	LL: LEM3225T560K NF: EXCCET102U NF: M-620T QT: C2881Y-C RC: 1/10W100J	INDUCTOR EMI FILTER EMI FILTER TRANSISTOR 2SC2881Y RESISTOR 10Ω 1/10W	1 6 1 5
R14, R11 26 R24~7, 35 R16. R22	RC: 1/10W102J RC: 1/10W103J RC: 1/10W104J RC: 1/10W105J RC: 1/10W152J	RESISTOR 1K Ω 1/10W RESISTOR 10K Ω 1/10W RESISTOR 100K Ω 1/10W RESISTOR 1M Ω 1/10W RESISTOR 1.5K Ω 1/10W	2 1 3 3 1
R21 , R33, R34 R1~, 12.13 R9, 1 R18 R23	RC: 1/10W153J RC: 1/10W221J RC: 1/10W222J RC: 1/10W224J RC: 1/10W272J	RESISTOR 15K Ω 1/10W RESISTOR 220 Ω 1/10W RESISTOR 2.2K Ω 1/10W RESISTOR 220K Ω 1/10W RESISTOR 2.7K Ω 1/10W	1 10 4 1
R20 R19 R28 R38	RC: 1/10W332J RC: 1/10W563J RF: RR133 RF: 2D18KRF RF; 2D27RRF	RESISTOR 3.3K Ω 1/10W RESISTOR 56K Ω 1/10W RESISTOR NETWORK RESISTOR 18K Ω F RESISTOR 27 Ω F	1 1 1 1
U6 U5 U7 U8 U1	UA: C4062G2 UA: C4741G2 UA: C842G2 UA: S-80740ANX UC: D78012BGC646	OPE AMP OPE AMP OPE AMP VOLTAGE COMPARATOR CPU	1 1 1 1
U3 U4 U2 U9	UC: HC02F UC: HC4066F UC: S-2914AIF10 UC: 7S32F XT: C4CB-8MM02-R	HCMOS HCMOS EEPROM CMOS	1 1 1 1

OTDOUTE OWNER	P. P		
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C3. 4. 11 C13 C12 C1	PC: 2703B CC: FK16Y5V1H104 CC: 0. 01U CC: 0. 01U500V CK: SME10VB220	PRINTED CIRCUIT BOARD CAPACITOR 0.1 μ F 50V CAPACITOR 0.01 μ F 50V CAPACITOR 0.01 μ F 500V CAPACITOR 220 μ F 10V	1 3 1 1
C2 C5 C8, 10 PHC1 D1	CK: SME 1 6 VB 3 3 0 0 CM: E 6 1 0 4 KF CM: V1 H 2 2 4 J Z T DF: TLP 6 2 7 - 2 DI: 1 B 4 B 4 2	CAPACITOR 3300 μ F 16V CAPACITOR 0.1 μ F CAPACITOR 0.22 μ F 50V PHOTO CUPPLER BRIDGE DIODE	1 1 2 1 1
D2, 3 FH1, 2 J3 J1	DI:1S1588 FH:85PN0819 FS:EAWK-100MA JI:CL581-0146-1 JI:11P-S2T2-EF	DIODE FUSE HOLDER FUSE 100mA CONNECTOR CONNECTOR	2 2 1 1
TT1~7, J4 L1 R1, 2 R10, 12 R9, 11	JT:61134-1 NF:ELF-18D290S RC:NAT1K RC:NAT1R RC:NAT10K	FASTEN TAB NOISE FILTER RESISTOR 1ΚΩ 1/4W RESISTOR 1Ω 1/4W RESISTOR 1ΟΚΩ 1/4W	8 1 2 2 2
R5, 6 R7 R4 R8 R3	RC:NAT22K RM:RNM13.3KF RM:RNM24KF RM:RNM4.53KF RM:RNM9.31KF	RESISTOR 22K Ω 1/4W RESISTOR 13.3K Ω F RESISTOR 24K Ω F RESISTOR 4.53K Ω F RESISTOR 9.31K Ω F	2 1 1 1
S1 TF1 TP1, 2 U2 U1	SS: SSS022 TF: 414B TM: LC-2-G-0 UA: C842C UR: TA78DL05S HT: IC-2425-ST QA: AC256-1674	SLIDE SWITCH TRANSFORMER TEST POINT OPE AMP VOLTAGE REGULATOR HEAT SINK COOL SHEET	1 .1 2 1 1 1

PARTS LIST

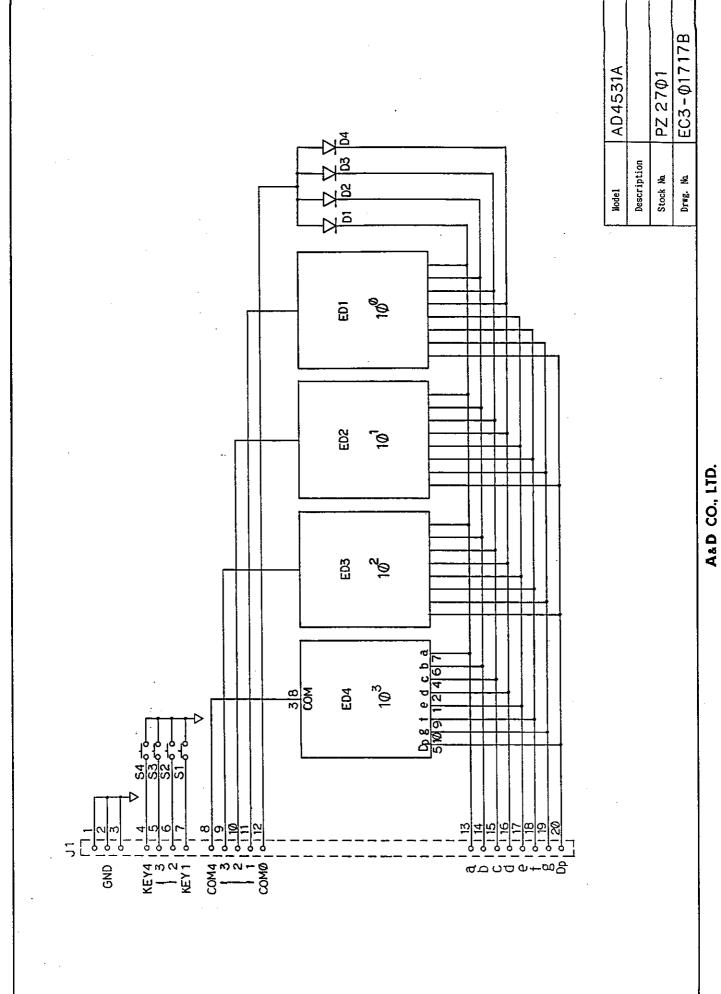
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' T
C2.7 C1.3~6 J1 L1	PC: 2719 CC: FK16Y5V1H104 CK: SME25VB10 JI: CL581-0147-4 NF: ZJY51R5-2P	PRINTED CIRCUIT BOARD CAPACITOR 0.1 μ F 50V CAPACITOR 10 μ F 25V CONNECTOR NOISE FILTER	1 2 5 1
D1	UC: MAX232CPE 05: B47981	RS232C SPACER 12mm	1 1
	·		
			Ē
		,	

PARTS LIST

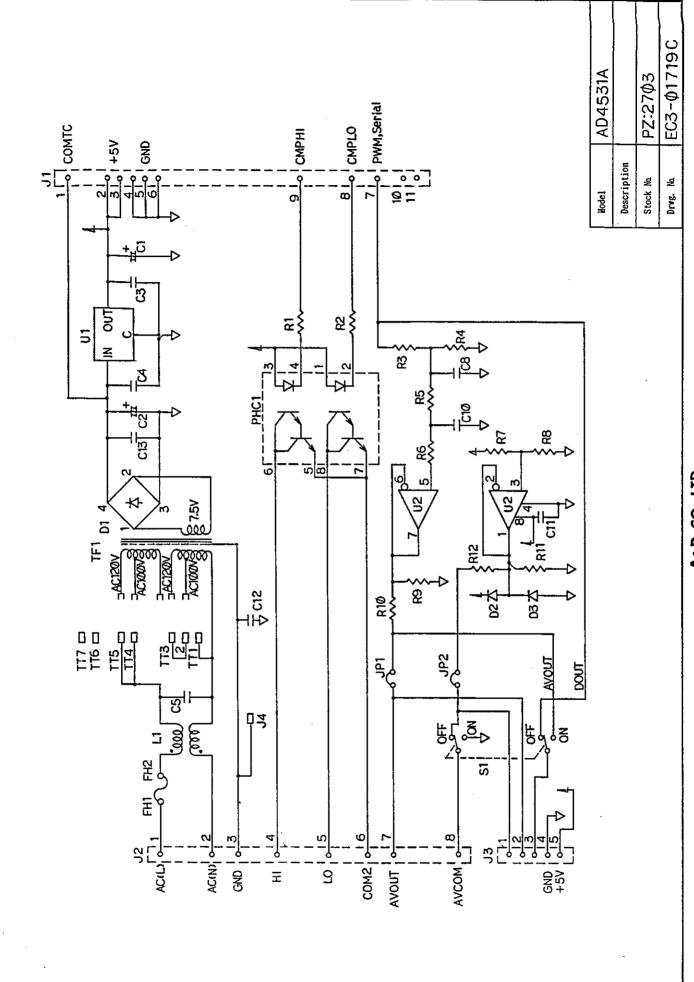
7 P Z : 2 7	20		<u> </u>
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C2 C1 PC1 D1	PC: 2720 CC: FK16Y5V1H104 CK: SME25VB10 DF: TLP521-1 DI: 1B4B42	PRINTED CIRCUIT BOARD CAPACITOR 0.1 μ F 50V CAPACITOR 10 μ F 25V PHOTO CUPPLER BRIDGE DIODE	1 1 1 1
J1 L1 Q1, 2 R3 R1, 2	JI: CL581-0147-4 NF: ZJY51R5-2P QT: C1815Y RC: NAT10K RC: NAT330R	CONNECTOR NOISE FILTER TRANSISTOR 2SC1815Y RESISTOR 10KΩ 1/4W RESISTOR 330Ω 1/4W	1 1 2 1 2
	05:B47981	SPACER 12mm	1
·			
	•		
		•	

PARTS LIST

7 P Z : 2 7 2 1			
CIRCUIT SYMBOL	PARTS NAME	DESCRIPTION	Q' TY
C2, 3, 4 C1 J1 Q1	PC: 2721 CC: FK16Y5V1H104 CK: SME25VB10 JI: CL581-0147-4 QF: K30ATM-Y	PRINTED CIRCUIT BOARD CAPACITOR 0.1 μ F 50V CAPACITOR 10 μ F 25V CONNECTOR FET 2SK30ATM-Y	1 3 1 1 1
Q2 R7 R8 R3 R9	QT:C1815Y RC:NAT18K RC:NAT390R RF:15.6KRF RF:15RRF	TRANSISTOR 2SC1815Y RESISTOR 18KΩ 1/4W RESISTOR 390Ω 1/4W RESISTOR 15.6KΩF RESISTOR 15ΩF	1 1 1 1 1
R2 R4 R1 R5.6 VR1	RF: 490RRF RF: 5. 2KRF RF: 8KRF RF: 9116 RV: 64X100R	RESISTOR 490ΩF RESISTOR 5.2KΩF RESISTOR 8KΩF RESISTOR NETWORK VARIABLE RESISTOR 100Ω	1 1 1 2 1
VR2 U1, 2	RV: 64X500R UA: OP295GP 05: B47981	VARIABLE RESISTOR 500Ω OPE AMP SPACER 12mm	1 2 1



A&D CO., LTD.



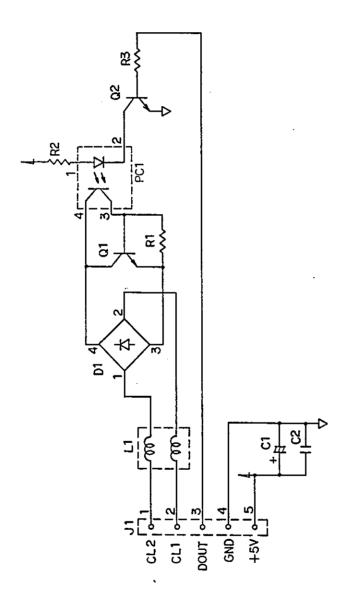
A&D CO., LTD.

PZ:2719 EC3-01706

AD4531-04

Hode1

Description Stock Na Drwg. Na



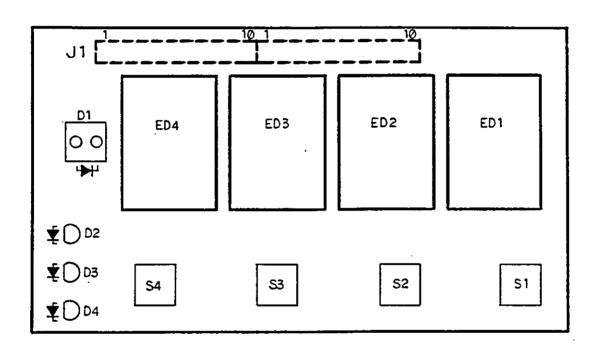
PZ 2721 EC3-@1718B

AD4531-07

Model

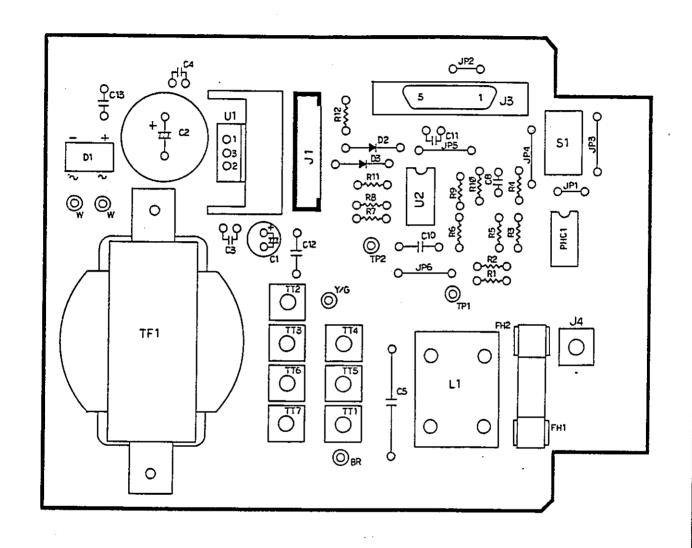
Description Stock Ma Drwg. Na

	8	& >
0 10 68		
2 4 C4 C		3 C UZ
β <u>+</u> ₹	***************************************	<u>8</u>
w 9	WR2 5 5 7 7	\$>
2% !% !%	C1 + + + + + + + + + + + + + + + + + + +	
AVCOM 011 AIOUT 02		

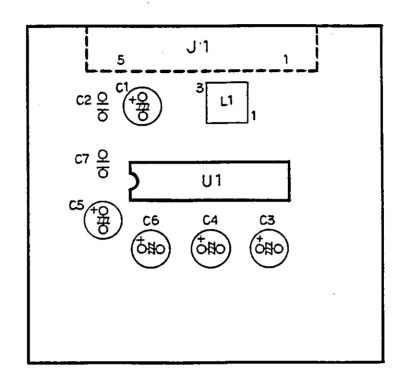


Model	AD4531A	
Description		
Stock No.	PZ:2701	
Drwg. No.	KZ4-00506C	

A&D CO., LTD.

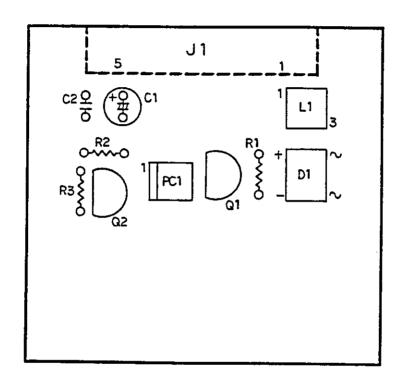


Model	AD4531A
Description	
Stock Na	PZ:2703
Drwg. No.	KZ3-Ø1164D

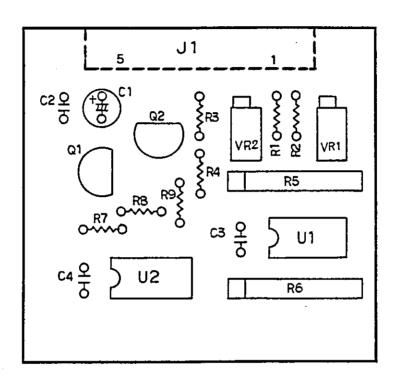


Model	AD4531-04
Description	
Stock Na	PZ:2719
Drwg. No	KZ4-00508A

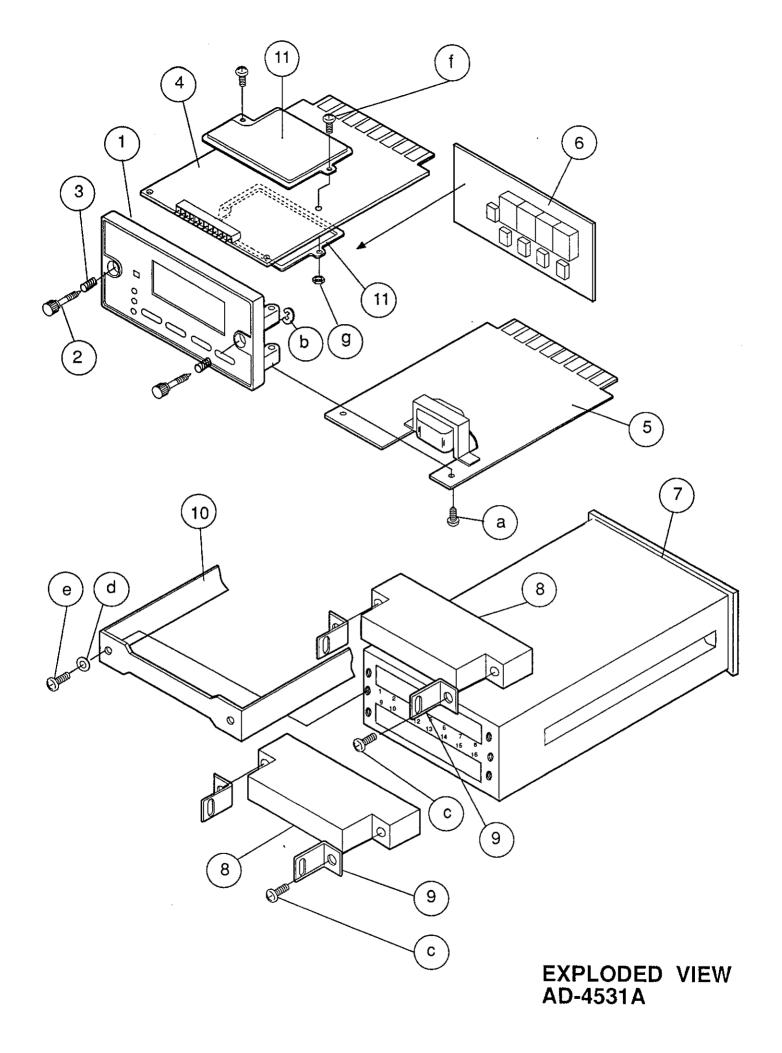
A&D CO., LTD.



Model	AD4531-05
Description	
Stock Na	PZ:2720
Drwg. Na	KZ4-00509A



Model	AD4531-07
Description	
Stock Na	PZ:2721
Drwg. No.	KZ4-00510B



AD-4531A

NO.	PARTS NAME	DESCRIPTION			
1	07:B30856	FRONT PANEL			
2	05:C42737	LOCK SCREW			
3	00:C41845	LOCK SPRING			
4	PZ:2702	MAIN BOARD			
5	PZ:2703	BATTERY BOARD			
6	PZ:2701	DISPLAY BOARD			
7	07:A21543	CASE			
8	TM:F5009-8P	TERMINAL			
9	04:C41098	TERMINAL PARTS			
10	04:C42738	U LOCK			
11	04:C41732	SHIELD CASE			
<u>a</u>		TAPPING SCREW M3×8			
b		E RING			
c		BINDING HEAD M3×12			
d		NYLON WASHER M4			
e		TRUSS HEAD M4×12			
f		PAN HEAD WITH WASHER M3×6			
g_		NAT M3			

MEMORANDA

•		_					
•							
	· · · · · ·		<u> </u>				
		•	<u> </u>				
			· · · · · · · · · · · · · · · · · · ·				 -
	<u></u>						
		····	· 				
	-						
					· <u> </u>		
					···		
							
						•	
				·. · · · · · · · · · · · · · · · · · ·			
				•			
							
 			· · · · · · · · · · · · · · · · · · ·				
·							