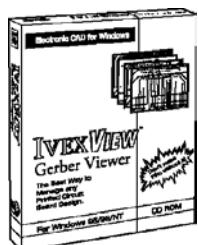


Ivex View

Ivex Gerber viewer makes it easy to check your photo plots before making expensive film. Viewer reads Gerber files from your WinBoard® PCB software and over 20 other vendors.

Formats Supported: Academy, Allegro, ArtWork, BoardMaker, Cadence V8.1, Cadnetics F1, CadStar V1.2, CadStar V6 and 7, Eagle, Ivex PCB, Layo 1 V4.92, Masstech V6.2, Maxroute, Mentor V8.x, Mentor VA.x, MicroSim V6.2, OrCad V6.3, OrCad PCB-386, Pads, Protel, Sierra, Tango, UltiBoard V4.50, Winboard, X-Cad.

935-0014. WV01 EACH 99.95



WinBoard and WinDraft for Windows

Version 3 is the latest release of the NTE's popular WinDraft electronic CAD software. This is the first major upgrade to the extremely successful WinDraft software since 1995.

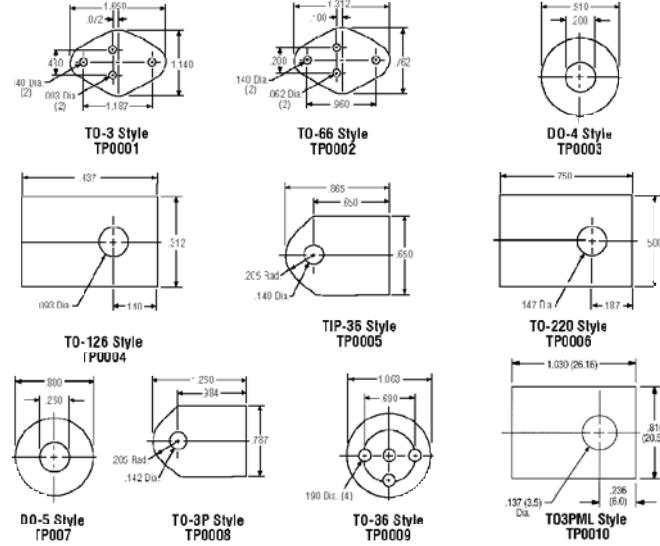
WinDraft is a complete schematic design tool and within minutes you'll be designing your own schematics. Everything is included for wiring, drawing, printing and finishing your design. Full graphical library editor and title block editors are also included. Over 20 major user suggested enhancements are included in version 3 like a powerful new Bill of Materials, integration for PCB layout, expanded schematic editing, switchable pin text and many more.

The WD350 and WB350 include an 85-page getting started and tutorial manual for the programs.

935-0001. WD01V3. WinDraft 200 pin version, CD-ROM only.....	EACH 43.64
935-0067. WB01. WinBoard 200 pin version, CD-ROM only.....	EACH 32.95
935-0063. WD350. WinDraft 350 pin version, CD-ROM only.....	EACH 109.95
935-0068. WB350. WinBoard 350 pin version, CD-ROM only.....	EACH 109.95



935-0014. WV01 EACH 99.95



Thermo-Pads

NTE'S THERMO-PADS do away with the old fashioned and messy mica wafer and conductive grease method of mounting power semiconductors. These thermally conductive insulators offer low heat transfer resistance while still providing high electrical isolation between the parts of the assembly. The elastomeric material combines the electrical isolation of rigid insulators with the ability to conform to rough surfaces and reduce contact resistance in much the same manner as thermal greases. Proper selection and use of these thermo-pads results in a securely-mounted power semiconductor and minimum resistance to the heat transfer between it and the heat sink.

Typical Properties
Color: .009 Inch Thickness — Gray; Test Method — Visual. **Breaking Strength, Lbs./Inch:** .009 Inch Thickness — 100; Test Method — ASTM D 1458. **Elongation, Percent:** .009 Inch Thickness — 4; Test Method — ASTM D 412. **Volume Resistance Ohm Metre Minimum Normal:** .009 Inch Thickness — 1.0×10^{13} ; Test Method — ASTM D 257. **Volume Resistance Ohm Metre Minimum Moist:** .009 Inch Thickness — 1.5×10^{10} ; Test Method — ASTM D 257. **Breakdown Voltage, Minimum Normal:** .009 Inch Thickness — 5000; Test Method — ASTM D 149. **Moist:** .009 Inch Thickness — 2500; Test Method — ASTM D 149. **Dielectric Constant 1000 Cups (Hz):** .009 Inch Thickness — 5.5; Test Method — ASTM D 150. **Continuous Use Temp. °C:** .009 Inch Thickness —60 to +180. **Thermal Conductance W/m-k:** .009 Inch Thickness — 0.7. **Thermal Vacuum Weight Loss Percent (TML) Maximum As Manufactured:** .009 Inch Thickness — .40; Test Method — NASA Thermal Vacuum Weight Loss Percent (TML) Maximum Post Cure 24 Hrs @ 400°F: .009 Inch Thickness — 25; Test method — SP-R-0022A. **Volatile Condensable Material, Percent, Maximum (VCVM) As Manufactured:** .009 Inch Thickness — 11; Test Method — NASA Volatile Condensable Material, Percent, Maximum (VCVM) Post Cure 24 Hrs @ 400°F: .009 Inch Thickness — .07; Test Method — SP-R-0022A. **Hardness, Shore A:** .009 Inch Thickness — 85; Test Method — ASTM D 2240. **Specific Gravity:** .009 Inch Thickness — 2.0-2.1. **Thickness (Expressed In Inches):** .009 Inch Thickness — .009 (+.002, -.001). **Thermal Resistance (TO-3 Transistor):** °C/Watt: .009 Inch Thickness — .50.

935-6510. TP0001	PER PKG./5 1.65
935-6512. TP0002	PER PKG./5 1.39
935-6514. TP0003	PER PKG./5 1.00
935-6516. TP0004	PER PKG./5 .84
935-6518. TP0005	PER PKG./5 1.24
935-6520. TP0006	PER PKG./5 1.21
935-6522. TP0007	PER PKG./5 1.24
935-6524. TP0008	PER PKG./5 1.66
935-6526. TP0009	PER PKG./5 1.66
935-6527. TP0010	PER PKG./5 2.26

Insulator Kits

Each Kit Includes Mica insulator and nylon bushings.

Stock No.	Mfr.'s Type	Description	Description						EACH
			Case Style	Maximum Breakdown Voltage			Typical Forward Current Gain	Maximum Collector Power Dissipation	
935-9413	NTE413	Insulator Kit for TO-3 Style Package		Ic	BVCBO	BVCEO	BVEBO	hFE	
		T03P	12.00	160	140	6.0	100	100.000 15.0	
935-9415	NTE415	Insulator Kit for TO-66 Style Package	T03	12.00	160	140	6.0	100	100.000 15.0
935-9422	NTE422	Insulator Kit for TO-220 (Plastic TO-66) Style Package	T0126	0.50	300	300	3.0	92	20.000 —
935-9438	NTE438	Insulator Kit for TO-4 and TO-64 Stud Package. Includes Flat Washer, Solder Lug and Nut	T092	0.50	100	100	12.0	10,000 Min. 30	0.625 200.0
935-9439	NTE439	Insulator Kit for TO-5 and TO-48 Stud Package. Includes Flat Washer, Lock Washer, Solder Lug and Nut	T0220	4.00	700	400	9.0	75.000 4.0 Min.	—
935-9440	NTE303	Mica Insulator Grease							1.49†

*2 Per Package, †5 Per Package.

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Bi-Polar Transistors

Stock No.	Mfr.'s Type	Polarity and Material	Description and Application	Case Style	Maximum Collector Current Amps	Maximum Breakdown Voltage			Typical Forward Current Gain	Maximum Collector Power Dissipation	Typical Freq. in MHz
						Ic	BVCBO	BVCEO	BVEBO		
935-6006	36	NPN-Si	AF Power Amp, High Current Switching (Compl to NTE37)	T03P	12.00	160	140	6.0	100	100.000	15.0
935-6008	37	NPN-Si	AF Power Amp, High Current Switching (Compl to NTE36)	T03	12.00	160	140	6.0	100	100.000	15.0
935-6500	39	NPN-Si	Line Operated Series Pass and Switching Reg. (Compl to NTE157)	T0126	0.50	300	300	3.0	92	20.000	—
935-6010	46	NPN-Si	Darlington, Gen Purpose Amp, Preamp, Driver	T092	0.50	100	100	12.0	120	50.000	30.0 Min.
935-6012	51	NPN-Si	High Voltage-Speed Switching Switchmode Applications, tf = 0.4μS Typ	T0220	4.00	700	400	9.0	30	0.625 200.0	4.0 Min.
935-6014	53	NPN-Si	High Voltage-Speed Switching Switchmode Applications, tf = 0.7μS Typ	T03	15.00	850	400	9.0	25	175.000	6.0 Min.
935-6016	54	NPN-Si	High Freq. Driver for Audio Amplifiers (Compl to NTE55)	T0220	8.00	150	150	5.0	100	50.000	30.0 Min.
935-6018	55	NPN-Si	High Freq. Driver for Audio Amplifiers (Compl to NTE54)	T0220	8.00	150	150	5.0	120	50.000	30.0 Min.
935-0085	85	NPN-Si	General Purpose Amp, Hi-Fi Drivers	T092	0.40	70	70 (CES)	4.0	120 Min. 8	0.625 200.0 Min.	—
935-6024	89	NPN-Si	Color TV Horizontal Output with Internal Damper Diode tf = 1.0μS Max	T03	7.00	1500	600	6.0	50.000	50.000	—
935-6026	90	NPN-Si	General Purpose High Gain Amp (Compl to NTE91)	Giant TO92	0.05	120	120	5.0	400 Min. 400 Min.	0.750 350.0	—
935-6028	91	NPN-Si	General purpose High Gain Amp (Compl to NTE90)	Giant TO92	0.05	120	120	5.0	400 Min. 400 Min.	0.750 150.0	—
935-6032	94	NPN-Si	High Voltage Inverter, Converter, Regulator and Switching Circuits	T03	5.00	300	300	5.0	40 Min.	100.000	2.5 Min.
935-0098	98	NPN-Si	HV Darlington Power Amp, Fast SW	T03	20.00	700	500	8.0	40 Min.	175.000	—
935-6034	100	NPN-Ge	Oscillator, Mixer for AM Radio, Medium Speed Switch (Compl to NTE101)	T05	0.30	25	20 (CER)	12.0	40 at 455 KHz	0.150 5.0	—
935-6036	101	NPN-Ge	Oscillator, Mixer for AM Radio, Medium Speed Switch (Compl to NTE100)	T05	0.30	25	20 (CER)	20.0	40 at 455 KHz	0.150 5.0	—
935-0715	102	NPN-Ge	Driver, Power Output, Switch (Compl to NTE103)	T05	0.30	30	16 (CER)	25.0	100	0.150 5.0	—
935-0720	102A	NPN-Ge	Medium Power Amplifier (Compl to NTE103A)	T01	1.00	32	32 (CES)	10.0	120	0.650 5.0	—
935-6502	103	NPN-Ge	Power Output Driver, Switch (Compl to NTE102)	T05	0.30	30	16 (CER)	25.0	115	0.150 5.0	—
935-6038	103A	NPN-Ge	Medium Power Amplifier (Compl to NTE102A)	T01	1.00	32	32 (CES)	10.0	110	0.650 5.0	—

For quantity pricing or parts not listed, contact the Allied facility nearest you at 1-800-433-5700. *Tc = 25°C.