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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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T1K Labels

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| MATERIAL DESCRIPTION: | Tyco Electronics "T1K" is a thermal transfer printable, 1mil thick (low profile) white polyimide label with a permanent acrylic adhesive |
| USE: | Ideal for high temperature labeling requirements such as printed circuit boards. Suitable for Direct Wave (bottom side) and IR Reflow (top side) PCB applications. Designed to withstand the fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. Excellent contrast for bar code applications. With a flash exposure service temperature of 315°C (599°F), "T1K" is suitable for the harshest high temperature applications. For optimum print performance and durability, use with Tyco Electronics RHT-45 series ribbon. |
| PRINT METHOD/RIBBON: | Preferred Printer/Ribbon combination: Thermal transfer: T312M-PRINTER, Tyco Electronics 1330-0619-10 Ribbon Alternative Printer/Ribbon combinations: Thermal transfer: T308S-PRINTER, Tyco Electronics 1330-0619-10 Ribbon Thermal transfer: T312S-PRINTER, Tyco Electronics 1330-0619-10 Ribbon Thermal transfer: T400 Series, Tyco Electronics 1330-0619-00 Ribbon |
| SHELF LIFE: | 1 year when stored at 21°C (70°F) at 50% R.H. |
| ADHESIVE: | Permanent high-temperature pressure sensitive acrylic adhesive. |
| COLOR: | Gloss white coating on amber material. |
| APPROXIMATE TOTAL THICKNESS: | Substrate: Typically, 0.038mm (0.0015 inches). Adhesive: Typically, 0.025mm (0.0010 inches). |
| SERVICE TEMPERATURE: | 50 minutes: 315°C (599°F) 2 Hours: 220°C (428°F) 1000 Hours: 120°C (248°F) |
| MINIMUM APPLICATION TEMPERATURE: | 10°C (50°F) |
| ADHESION: | ASTM-D-3330 (180° peel direction) at 21° C (70°F): PCB (G-10): Typically, 19.9 oz/inch (0.218 N/mm) - 1 min dwell Stainless steel: Typically, 25.5 oz/inch (0.28 N/mm) - 20 min dwell Typically, 31.3 oz/inch (0.343 N/mm) - 72 hr dwell |
| TACK: | 25oz (710g): ASTM D2979 at 21° C (70°F, 1 second dwell). |
| FLAMMABILITY: | Oxygen Index, 36% minimum: BS ISO 4589-2 [1999]. |

ABRASION RESISTANCE: Printing remains legible for 50 revolutions of CS-10 wheel, 500g load (Taber-Abraser Model 5130). Print not affected with repeated Rub testing as per AS-81531

CHEMICAL SOAK RESISTANCE: Results after soaking for 5 minutes:

| <u>Fluid</u> | <u>Result</u> |
|--------------------------|-----------------------------|
| Alpha Flux: 2110 (23°C) | No effect on print contrast |
| 870-25 (70°C) | No effect on print contrast |
| 615 (23°C) | No effect on print contrast |
| Alpha S30 cleaner (23°C) | No effect on print contrast |

PRINT PERMANENCE: Meets the requirements of MIL-STD-202 method 215J.

Good resistance to fluids and repeated cleaning:

| SOLVENT | TEST | EFFECT |
|-----------------------|---|------------------|
| Detergent mix | Repeated cleaning (200 cycles Crockmeter) | No visual effect |
| IPA | Repeated cleaning (100 cycles Crockmeter) | No visual effect |
| IPA (70%) | 7 day immersion | No visual effect |
| IPA (70%) | Repeated cleaning (200 cycles Crockmeter) | No visual effect |
| Water | 7 day immersion | No visual effect |
| Water at 95°C (203°F) | Typical PCB wash cycle | No visual effect |
| Toluene | 30 second soak only | No visual effect |

AGENCY APPROVALS: Underwriters Laboratories Inc: UL File No. MH17292 Vol. 1.

This listing is based on label materials and ribbons taken together as a system, using any suitable thermal transfer printer.

Listed system components: Label material: T1K.
Thermal transfer ribbon: Tyco Electronics RHT-35.

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