TAIYO AMERICA, INC.

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CERTIFICATE OF CONFORMANCE

This is to certify that the following product has been inspected prior to sale and shipment, and complies with Taiyo America's manufacturing specifications for this product.

This product meets all the requirements of IPC-SM-840E Classes H and T and Bellcore (Telecordia) GR-78-CORE and is UL recognized 94V-0 (File #E166421, UL Name: PSR-4000HA).

PSR-4000 GP01EU	Lot# 9122017	Mfg. Date: 2-20-1 Warranty Ends: 2-2	9-20
PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	MANUFACTURING SPECIFICATION Before mixing: 280 - 360 ps After mixing: 180 - 220 ps	RESULT 319 ps 198 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.4	1.2
FINENESS OF GRIND	TAI-0-0002	15 microns maximum	5 microns
VISUAL EXAMINATION	Microscopic examination:		
	1. 1-mil drawdown of wet film	No bubbles, pits, voids, particles, color differences.	Passed
	2. Wet film drawdown on grind gauge	No bubbles, pits, voids, particles, color differences.	Passed
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed
TACK-DRY	Hot air convection oven 80°C / 30 minutes	Tack-free to the touch	Passed V
IMAGING	ORC HMW 680GW - 7 kW 300 mJ / cm ²	Stouffer 21 step: 8 - 12 (clear on copper)	
	Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi		*
RESISTANCE TO	260°C (500°F) / 30 sec x 1 cycle	No discoloration, peeling,	Passed [v]
SOLDERING (*)	Rosin-based flux	or blistering	
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed
PENCIL HARDNESS (*)	TAI-0-0020	6H or greater	8 H
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed V

(*) - Final cure for these tests was 60 minutes @ 150°C (302°F) in a convection oven

Verified By:		2 200 111 0	1/6/21	
Name,	+	Supervisor 1	Date	_

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