## **AIT PRODUCT APPLICATION ANALYSIS & ASSISTANCE FORM**

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Date:

AIT Contact:

Contact Source: Call-In Website Customer Visit Tradeshow Name of Show:

I. CUSTOMER Company:					
Name of Contact:			Title of Contact:		
Address:					
Tel:		Email:			
II. APPLICATION	Circle Application Type and Check Applicable Box)		Please Check One Applicable Box Only		
(Sketch the assembly with	1. Die Attach:	Paste Film	Conductive Insulating	Flip-Chip Solder-Replacement	
the applied material	2. Component Attach:	Paste Film	Mechanical Only	Solder-Replacement	
are welcome to email us	3. Underfill:	Paste Film	Flip-Chip Thermo-mechanical	Component Thermo-mechanical	
separate pictures or	4. Substrate-Module Atta	ch: Paste Film	Electrically Conductive Insulating	Insulating with High Thermal	
drawings.)	5. Encapsulation and Potting		Wire-Bond Glob-Top Glob-Top with Dam	Multi-Component Potting	
	6. Thermal Interface Grease-Paste		Grease Gel-Forming Grease Electro-Grease Thermal Adhesive Paste		
	7. Thermal Interface Pad-	Tape-Film	Compressible Phase-Change Gap-Filling P	ad Thermal PSA Dry Film	
	8. Insulated Metal Substr	ate	Std. Insulated CU over AL Base Insulated CU over CU Base Flexible IMS		
	9. Elexible PWB Single	Sided Two-Sided	Insulation Thickness: Copper Thickne	ss: 1oz 1/2oz 1/4oz	
10. Lid-Seal:		Paste Film	Mechanical and Semi-Hermetic	Mechanical with EMI	
11 Coating (Moisture and Water Resistant)			Transparent UV Block Pigmented UV Block PWB Conformal EMI Shield		
12. Sealant (Moisture and Water Resista			Flexible Insulating Tough-Rigid Insula	ting Flexible FMI Shield	
	13 Dicing Tape	Water Resistanty			
14 Grinding Tape (for Wafer or Substrate		fer or Substrate Thinning)	Wafer-Substrate Only Wafer with Au Burn	wafer with Solder Bumps	
	14. Orinding Tape (ior Water of Substrate Thinning)				
	16. Custom and Special (	Others (Please specify)			
	To. Custom and Special C	Stilers (Please specily)	Please check one and provide details whenever possible		
	III. DISPENSING				
	1. Needle Dispensing				
	2. Screen Stenciling				
	Preferred Specific Viscosity & Inixotropy		VISCUSILY (cps, @p rpm): ITHIXOTOPIC INdex Kange:		
	<b>3. FIIII</b> (Preiofiii) Diy Tacky-PSA Preform-Sheet-Roll Width-Length-Thickness:				
IV. BONDING & CURING CONDITIONS: (Please be as precise as possible)					
1. Max. Cure Temp: °C 9-					
2. Max. Cure Time. Tour in Minute Second					
V. RELIABILITY AND TECHNICAL CONSIDERATIONS:					
Bonding or Interface A	rea (For Stress Consideration)	Width: Length:	Diameter:	Dimension (e.g. 0.5cmx 2.0cm or 5cm Ø)	
Adherends Material (For CTE Mismatch Consideration) Part Material:		Part Material:	Substrate Material:	Material(e.g. Aluminum, Copper, FR4)	
Flatness Tolerance (For Thickness Consideration) Widthwise:		Widthwise:	Lengthwise:	e.g. 6mils total or 2mil/inch, etc.	
Electrically Insulating or Conductive  Insulating		Insulating :	Conductive :	Dielectric Strength in V/mil, Resistivity in $\Omega$ -cm	
Device Power (For Thermal Interface Consideration)     Watts:		Watts:	—	Watts (e.g. 30 watts)	
➤         Highest Operating Temperature         Degree:         •C□ •		Degree: •C •F	]	e.g. 80ºC, 150ºC, 250ºC	
Highest Intermittent Temperature     Degree:		Degree: ∘C□ ∘F□	] Duration: Hr Min Sec	e.g. 250°C wire-bonding, 350°C for 5 minutes	
Max Temp. and Load (For Adhesive Tg Consideration)		Max. Temp: ∘C□ ∘	F Tensile or Shear Load (PSI):	e.g. 125ºC, 125psi, tensile and/or shear load	
Temperature Cycling (For Stress Consideration)		Low Temp: High T	emp: ₀C□ ∘F□ No. of Cycle:	e.g. –40°C/85°C, –55°C/150°C for 1000 cycles	
Others (Check all applicable boxes)     NASA outgassing		NASA outgassing	Ail Std 883H/5011.5         HAST	Others:	
VI. PROJECTED USAGE VOLUME (Per Year):					
VII. DATES REQUIRED: Sample Date: Prototype-Pilot Date: Production Start Date:					
Additional Requirements and Comments:					
Drawings or Pictures Attached for Additional Clarification:			Other Documents and Attachments:		
Please fax (609) 799-9308 or email:ait@aitechnology.com the completed form to AIT. Call (609) 799-9388 for additional questions or assistance.					
AIT Recommendations or Comments (Do Not Fill In. For AIT Use Only):					