

Earlier Approval

Number

Year

Nil

Nil



Certificate No. : 4695

Date of Issue : 01 JAN 2014

Date of Expiry : 01 JAN 2017

**GOVERNMENT OF INDIA**  
**Ministry Of Defence**

**ELECTRONIC COMPONENTS STANDARDISATION ORGANISATION (LCSO)**  
**QUALIFICATION APPROVAL**

( UNDER THE PROVISIONS OF JSS 5999-10 )

*Grant of this Approval\* confirms the competence of*

**Micropack Ltd.**

Plot No. 16, Jigani Industrial Area  
Anekal Taluk  
BANGALORE - 560 106

*to manufacture the component(s) described below :*

1. Component : Printed Wiring Board, Rigid, Multilayer
2. Manufacturer's Code : Nil
3. Joint Services Specification : JSS 52302
4. Style Reference : Not applicable
5. Range : Double sided with PTH & Multilayer (10 Layers)
6. JSS 50101 Severities
  - Temperature : T 65/125 (-65 °C to +125° C)
  - Damp Heat : H 12 (2 Cycles and 21 Days)
  - Air Pressure (Low) : Not applicable
  - Acceleration (Steady state) : Not applicable
  - Impact (Shock) : Not applicable
  - Vibration : Not applicable
7. Special features :
  - a) Base Material : Glass (woven fabric) base, Epoxy Resin, Flame Retardant, Copper clad, Grade GF (FR-4)
  - b) Copper thickness:35µm(min.) c) Board Thickness : 2.6 mm
  - d) Conductor width/conductor spacing : 0.125 mm (min.)
  - e) Process : (i) Hot Air Levelling  
(ii) Solder Mask Over Bare Copper

  
(VASUDHA PRASAD RAO B)  
Scientist 'F'  
Chairman  
LCSO Panel

  
(VASUDHA PRASAD RAO B)  
Scientist 'F'  
Officer-in-Charge, LCSO  
**Defence Research and Development Organisation**  
C V Raman Nagar, BANGALORE - 560 093  
For **Electronics Standardisation Sub-Committee**

Place : BANGALORE  
Date : 23 MAY 2014

\* Note 1 : This Approval does not obviate the need for Batch Acceptance tests.  
Note 2 : Failure of this component during usage may be reported to OIC, LCSO.