**SPETA PROCUREMENT BULLETIN**

**12th Aug 2025**

SPETA would like to disseminate the following information to its members:

A leading multi-national company (MNC) specialising in electronics component manufacturing with significant manufacturing presence in Singapore is seeking prospective local partners / suppliers to address their growing business needs:

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| **S/N** | **Description of needs / challenges** | **Remarks** |
| 1 | **Supply of Laminate functional Plastic Bag for Electric Components Manufacturing Process (Especially MLCC)**    **Key specifications: Physical strength and durability**   * Preferred Manufacturer – located within ASEAN, aside from Japan and China * Assessment of capability including Cost / Technology / Quality * Use-case - For MLCC production process (Multi layer ceramic capacitor) | Would like to find a new supply source, outside of Japan and China.  From each manufacturer's product catalogue, we'd like to identify "high potential candidate product". |
| 2 | **Supply of Compatible manufacturer of Thermal Release Tape**  (ref. product - RIVALPHA 3195MS (Nitto brand))  **Key specification: Adhesive release temperature and Adhesive strength balance is important**.   * Preferred Manufacturer – located within ASEAN, outside of Japan and China * Assessment of capability including Cost / Technology / Quality * Use-case - For MLCC production process (Multi layer ceramic capacitor)   Supplemental Information - Comparative product info:  <https://www.nitto.com/sea/en/products/e_parts/electronic001/>  [Nittop\_ppt\_eng 2020.pdf](https://www.semicorp.com/wp-content/uploads/2024/02/Revalpha-tape-chart-2024-1.pdf) | Please provide basic company introduction, product catalogue, specification comparison table. |
| 3 | **Supply of Ferrite Core**   |  |  |  |  | | --- | --- | --- | --- | | **Specification** | Ferrite core-A | Ferrite core-B | Ferrite core-C | | **Ferrite core shape** | Drum core | E-Core | Drum core | | **Ferrite core size(mm)** | 4.0mm x 4.0mm x 1.64mm (H) | P8X8X2.03A | 6.4X3.8X3.0 RD23 | | **Initial Permeability(μi)** | 400 +-25% | 400 +- 25% | 440 | | **Saturation magnetic flux density(Bs/mT)** | 4,150 Bm | 460 | 465 | | **Crie temperature（TC min)** | > 250 °C | > 240 °C | 260°C | | **Manufacturing Method** | Press Forming, Cutting, Sintering, Deburring, Inspection |  |  | | **Inspection request** | Automatic Optical Inspection |  |  | | **Apperance Quality condition** | Burr, Chipping, Crack | Burr, Chipping, Crack | Nicks, scratches, burrs,  foreign objects | | **Packing style** |  |  |  | | **Ferrite core composition** | Ni-Zn | | | | **Other condition** | **IATF16949 certification** | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **2. Ferrite core powder catalogue** |  |  |  |  |  | |  |  |  | **Measuring Conditions** |  |  | |  | Symbol | Unit | **Freq** | **Flux den** | **Temp** | | Initial Permeability | μi |  | \*\*kHz \*\*MHz | \*\*mT | \*\*℃ | | Saturation Flux Density | Bs | mT |  | H=\*\*\*\*A/m |  | | Remanence | Br | mT |  |  |  | | Coercivity | Hc | A/m |  |  |  | | Relative Loss Factor | tano/μi | 10-6 |  | \*\*mT |  | | Temperature Factor of Permeability | αF | 10-6/℃ |  |  |  | | Curie Temperature | Tc | ℃ |  |  |  | | Resistivity | p | Ωm |  |  |  | | Density | d | g/cm3 |  |  |  | | Preferred Manufacturer – located within ASEAN, outside of Japan and China  Main application will be towards automotive sector. “IATF16949” certification is needed.  Ni-Zn (High frequency) ferrite core is required, different from the market common material of Mn-Zn(High Power). |
| 4 | **Supply of Flat Copper (Cu) enamel wire**     |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Description | Description | Conductor diameter (mm) | Insulation layer(mm) | Fusion | Finished diameter (mm) | Breakdown voltage | Color | Other Condition | | layer (mm) | | Cu enamel wire-A | AIW (Polyamidimide) Flat wire | 0.050±0.003 x 0.25±0.020 | 0.003～0.006 | 0.001～0.003 | 0.061±0.004 ｘ0.261±0.030 | over 200V | Black | IATF16949 certification | | Cu enamel wire-B | AIW (Polyamidimide) Flat wire | 0.031±0.003 x 0.31±0.020 | 0.003～0.006 | 0.001～0.003 | 0.042±0.003 ｘ0.321±0.030 | over 200V | Black | | Cu enamel wire-C | AIW (Polyamidimide) Flat wire | 0.056±0.003 x 0.56±0.020 | 0.005～0.008 | 0.0015～0.004 | 0.073±0.004 ｘ0.597±0.030 | over 400V | Black | | Cu enamel wire-D | EIW (Polyesterimide)Flat wire | 0.225±0.005 x 0.82±0.030 | 0.013～0.017 | 0.002～0.006 | 0.263±0.010 ｘ0.858±0.030 | over 1300V | Black | | Preferred Manufacturer – located within ASEAN, outside of Japan and China  Main application will be towards automotive sector. “IATF16949” certification is needed.  Requirement for "Flat wire". |

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| **SPETA Member Input** (Please state the product number and description with interest to supply, describe how you meet the above requirements, and relevant past experience where applicable) |

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**Please submit your response via email with the following subject header *“SPETA PROCUREMENT BULLETIN 12th Aug 2025”* to** [**admin@speta.org**](mailto:admin@speta.org) **by 22 Aug 2025, 12 noon.**

The MNC will shortlist the prospective Partners and contact them directly.

Name of Member Co. : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact Person : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Handphone and Email : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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