**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**

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| --- | --- | --- | --- |
| **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** |

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| **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 ChinaMain 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**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 ChinaMain 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** **by 22 Aug 2025, 12 noon.**

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

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

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

Designation : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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