1. OBJECTIVE:

To dispose the part / product after end-of-life cycle or damage as unusable where used material will not impact the environment, health and safety.

2. PURPOSE:

To define safe, environmentally responsible, and legally compliant methods for disposal of manufactured electrical and electronic components at end-of-life, rejection, damage, or obsolescence stage.

3. DISPOSAL GUIDELINES: For Automotive & Non-Automotive Components and Applications.

3.1 Applicable Products:

1. Connectors
2. Sockets
3. Terminal Blocks
4. Switches

4. SCOPE:

These guidelines apply to:

- Customers
- Dealers
- OEMs
- Service centres
- Internal scrap disposal

5. GENERAL DISPOSAL PRINCIPLES (Applicable to All Categories):

- Do not dispose with household waste
- Follow local E-waste, Plastic Waste, and Metal Scrap regulations
- No open burning
- Avoid crushing without segregation
- Dismantle parts where feasible to segregate materials
- Maintain disposal records if disposed in bulk

6. CATEGORY-WISE DISPOSAL GUIDELINES:

6.1 CONNECTORS:

Material Composition:

- Plastic housing (PA, Nylon, PVC, etc.)
- Copper / Brass / Tin-plated terminals
- Sometimes rubber seals or gaskets

Disposal Method:

1. Segregate connector from wiring harness if attached
2. Separate metal terminals from plastic housing (where possible)
3. Dispose as:
   - Plastic scrap → Authorized plastic recycler
   - Metal scrap → Authorized metal scrap recycler
4. If dismantling is not feasible:
   - Dispose as E-waste through authorized E-waste recycle

Environmental Precautions:

- Avoid shredding without dust control
- Do not landfill mixed connectors

6.2 SOCKETS:

Material Composition:

- Plastic body
- Metallic contacts (copper alloy / brass)
- Occasionally ceramic parts (in industrial sockets)

Disposal Method:

1. Disconnect from power source completely
2. Remove attached cables or pins
3. Segregate:
   - Plastic body → Plastic recycling stream
   - Metal contacts → Metal recycling stream
4. Ceramic parts → Dispose as inert industrial waste or as per local guidelines
5. Bulk quantity → Authorized E-waste recycle

Environmental Precautions:

- Ensure no live electrical source
- Avoid breaking ceramic parts into fine dust

6.3 TERMINAL BLOCKS:

Material Composition:

- Thermoplastic housing
- Copper / brass terminals
- Steel screws (sometimes zinc-plated)

Disposal Method:

1. Remove wiring from terminal block
2. Dismantle:
   - Screws → Steel scrap
   - Terminals → Copper scrap
   - Housing → Plastic scrap
3. Dispose through authorized recycles
4. Mixed or non-separable blocks → E-waste channel

Environmental Precautions:

- Do not incinerate plastic housings
- Prevent small metal parts from entering soil or drains

6.4 SWITCHES:

Material Composition:

- Plastic or Bakelite housing
- Copper contacts
- Springs (steel)
- electronic components

Disposal Method:

1. Ensure switch is electrically isolated
2. Dismantle if possible:
   - Metal contacts → Metal recycling
   - Plastic body → Plastic recycling
   - PCB (if any) → Authorized E-waste recycle r
3. Fully assembled switches → E-waste recycle r

Environmental Precautions:

- Avoid crushing PCB-based switches
- Do not landfill Bakelite or phenolic materials

6.5 BULK / INDUSTRIAL SCRAP DISPOSAL:

For large quantities:

- Engage authorized E-waste recyclers
- Maintain:
- Scrap quantity record

- Disposal certificate
- Recycler authorization details

- Follow CPCB / SPCB guidelines (India) or applicable local regulations

7. REGULATORY COMPLIANCE (REFERENCE):

- E-Waste Management Rules
- Plastic Waste Management Rules
- Local Pollution Control Board norms
- OEM or customer-specific disposal requirements

8. RESPONSIBILITY DISCLAIMER:

1. The manufacturer shall not be responsible for improper disposal by end users.
2. Users are responsible for complying with local environmental and waste management laws.