

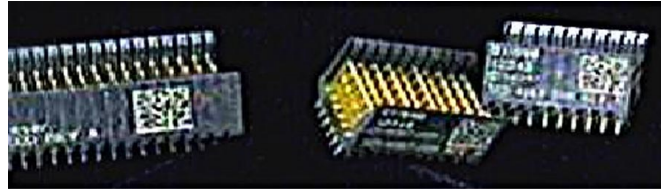
LASER APPLICATION NOTE 2020

TELESIS

ProScript®

Application:

Identification of electrical connectors



Mark depth:

Surface to 0.002 inch (0 to 0.05 millimeters)

Material:

Painted, or anodized aluminum,
Nylon or various plastics

Mark Type:

Alphanumeric, Barcode, 2d code, Schematics or Logo

Cycle Time:

Varies for mark type. Typically less than 10 seconds

Laser Advantage:

Speed of mark, ease of integration into process, high mark quality and readability.

Recommended Laser:

ProScript Nd:YAG 70 Watt and higher ProScript CO₂ 10 Watt and higher

Process Notes:

ProScript Nd: YAG gives darkest contrast and best cycle time on metals. ProScript CO₂ will mark best on Nylon and plastics. Test should be done if machine-readable codes are to be used. While the laser will mark the material some hand held reading devices may have problem with reflection from metal surface.