



BLT Circuit Services Ltd
 Brome Ind. Est. Brome, Eye,
 Suffolk, IP23 7HN, England
 Tel: 01379 870870
 Fax: 01379 870970
 e-mail:sales@blt.keme.co.uk
 www.bltcircuitservices.co.uk

Immersion Silver IAG-377 Process Chart

<u>Process</u>	<u>Product</u>	<u>Make up</u>	<u>Operation condition</u>	<u>Optimum</u>
1. Cleaning	Copperwet 1120 Copperwet 1150	200cc/L	Temp 45-55°C Time 2-5 min.	50°C 3 min.
2. Water Rinse			Time 1-2 mins	1 Min
3. Water Rinse			Time 1-2 mins	1 Min
4. Microetch	Copperwet 1174 Sulphuric acid 96%	120gms/L 20cc/L	Temp 20-30°C Time 1-2 min.	25°C 1 min.
5. Water Rinse			Time 1-2 mins	1 Min
6. Water Rinse			Time 1-2 mins	1 Min
7. Pre-dip	Elsprep PX-313 D.I. Water	500cc/L(450-550) 500cc/L	Temp 20-30°C pH 7-8 Time 0.5-1 min	25°C 7.5 0.5 min.
8. Immersion Silver	Elsilver IAG-377M D.I. Water	500cc/L(450-550) 500cc/L	Temp 50-60°C Time 2-4 min. PH 8.8-9.2 Thickness 0.2-0.3μ Turnover Treated area Max. Cu content	60°C 2 min. 8.8 0.25 μ 4 500 dm ² /L 3 g/l
9. D.I. Water Rinse			Time 1-2 Mins	1 Min
10. D.I. Water Rinse			Time 1-2 Mins	1 Min
11. Antitarnish	Elstarnish ANT-39 D.I. Water	200cc/L(180-220) 800cc/L	Temp 20-40°C pH 5-6 Time 2-4 min.	30°C 5.5 2 min.
12. D.I. Water Rinse			Time 1-2 Mins	1 Min
13. D.I. Water Rinse			Time 1-2 Mins	1 Min
14. Hot air dry				