



EMBEDDED LOGIC SOLUTIONS PTY LTD

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LPKF Tools & Accessories Price List - Australia & New Zealand

Expendable Material

| | <u>Part No.</u> | <u>Price ex. GST</u> | <u>Price incl. GST</u> |
|---|-----------------|----------------------|------------------------|
| Drill Underlay Material (per pack of 10) | | | |
| Drill Underlay Material, DIN A4: 210 mm x 297 mm | 106388 | \$50.00 | \$55.00 |
| Drill Underlay Material, DIN A3: 420 mm x 297 mm | 106389 | \$100.00 | \$110.00 |
| Drill underlay material, 229 mm x 305 mm (9"x12"), d = 2 mm (predrilled) | 115966 | \$80.00 | \$88.00 |
| Base Plate FR4 (per pack of 10) with glass fibre | | | |
| Base Plate FR4, A4, 2 sides 18 µm | 106394 | \$140.00 | \$154.00 |
| Base Plate FR4, A3, 2 sides 18 µm | 106398 | \$330.00 | \$363.00 |
| Base Plate FR4, A4, 2 sides 35 µm | 106397 | \$140.00 | \$154.00 |
| Base Plate FR4, A3, 2 sides 35 µm | 106401 | \$330.00 | \$363.00 |
| Base Plate FR4 (per pack of 10) with glass fibre | | | |
| Base Plate FR4, A4, 1 sides 35 µm | 106396 | \$140.00 | \$154.00 |
| Base Plate FR4, A3, 1 sides 35 µm | 106400 | \$330.00 | \$363.00 |
| Base Plate FR4 (per pack of 10) with glass fibre, includes peel off protective foil. Recommended for electroplating with the contac systems. | | | |
| Base Plate FR4, A4, 2 sides 5 µm | 112060 | \$250.00 | \$275.00 |
| Base Plate FR4, A3, 2 sides 5 µm | 112059 | \$470.00 | \$517.00 |

Predrilled with 3 mm registration holes:

| | | | |
|--|--------|----------|----------|
| Base plate FR4, 229 mm x 305 mm (9"x12"), 5/5 µm with protective Cu-foil | 115971 | \$290.00 | \$319.00 |
| Base plate FR4, 229 mm x 305 mm (9"x12"), 0/18 µm | 115968 | \$180.00 | \$198.00 |
| Base plate FR4, 229 mm x 305 mm (9"x12"), 18/18 µm | 115967 | \$180.00 | \$198.00 |
| Base plate FR4, 229 mm x 305 mm (9"x12"), 0/35 µm | 115969 | \$180.00 | \$198.00 |
| Base plate FR4, 229 mm x 305 mm (9"x12"), 35/35 µm | 115970 | \$180.00 | \$198.00 |

Stencil cutting Polyimid Foil (pack of 10 pieces each)

| | | | |
|--------------------------------------|--------|----------|----------|
| Polyimid Foil A4 format for Stencils | 108321 | \$280.00 | \$308.00 |
| Polyimid Foil A3 format for Stencils | 108322 | \$460.00 | \$506.00 |

Through Hole Plating Systems & Consumables

| | | | |
|--|--------|----------|----------|
| EasyContac Kit c/w four sizes of Rivets (1000 of each) | 110914 | \$500.00 | \$550.00 |
| Through Plating Rivets 0.6mm (1000 pieces) | 110907 | \$90.00 | \$99.00 |
| Through Plating Rivets 0.8mm (1000 pieces) | 110758 | \$90.00 | \$99.00 |
| Through Plating Rivets 1.0 mm (1000 pieces) | 110906 | \$90.00 | \$99.00 |
| Through Plating Rivets 1.2 mm (1000 pieces) | 110759 | \$90.00 | \$99.00 |
| Punching tool for EasyContac (incl tool tip A) | 110760 | \$70.00 | \$77.00 |
| Tool tip A for EasyContac for punching 0.6 and 0.8 mm rivets | 110971 | \$30.00 | \$33.00 |
| Tool tip B for EasyContac for punching 1.0 and 1.2 mm rivets | 110911 | \$30.00 | \$33.00 |
| Anvil Stable support for punching | 110821 | \$20.00 | \$22.00 |
| Assembling Tweezers | 110757 | \$20.00 | \$22.00 |
| ProConduct paste RS 20 x 2.5 g | 116110 | \$270.00 | \$297.00 |
| ProConduct foil consumable set including: | 116159 | \$150.00 | \$165.00 |
| 20 x Protection film foil, 10 x Filter fleece, 10 x Film resist | | | |
| Honeycomb materials for desktop table ProConduct, pack of 4 pieces | 116148 | \$100.00 | \$110.00 |
| Cleaner for ProConduct to remove the oxide layer | 115891 | \$10.00 | \$11.00 |

Accessories and Consumables for EasySolder & ProMask

| | | | |
|---|--------|----------|----------|
| Solder mask foil 75 µm, 200 mm x 300 mm (10 pieces) | 107818 | \$200.00 | \$220.00 |
| Pressing cardboard cushion DIN A4 (pack at 10 pieces) | 108187 | \$50.00 | \$55.00 |
| Pressing metal sheet MiniPress (210 mm x 160 mm x 0.45 mm) | 107704 | \$60.00 | \$66.00 |
| Pressure-compensating foil rubber (210 mm x 297 mm) | 106084 | \$50.00 | \$55.00 |
| LPKF ProMask consumable set consisting of: | 117108 | \$200.00 | \$220.00 |
| 10 x Solder resist, 10 x Developer, 10 x laser printed foil, 10 x Conditioner | | | |
| LPKF ProLegend consumable set consisting of: | 117564 | \$200.00 | \$220.00 |
| 20 x Resist, 10 x Developer, 20 x Laser printed foil, 10 x Conditioner, 20 x Cribbing, 10 x Foam roller | | | |
| Cleaner for ProMask to remove the oxide layer | 115891 | \$10.00 | \$11.00 |

Materials for MultiPress II & S

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|---|--------|----------|----------|
| Thin Laminate 104 ML 5/0 µm 340 x 220 x 0.2 mm with protection foil (pack of 10) | 115159 | \$220.00 | \$242.00 |
| Thin Laminate 104 ML 5/0 µm, 305 x 229 x 0.2 mm with protection foil (pack of 10) | 119571 | \$350.00 | \$385.00 |
| x 0.2 mm without protection foil for ProConduct Multilayer Sets (pack of 10) | 119818 | \$350.00 | \$385.00 |
| Base material 104 ML 18/18 µm 340 (k) mm x 220 mm x 0,46 mm (pack of 10) | 115158 | \$210.00 | \$231.00 |
| Base plate 104 ML 18/18 µm, 305 x 229 x 0.36 mm (9"x12") (pack of 10) | 119575 | \$280.00 | \$308.00 |
| Base material FR4 18/18 µm 340 (k) x 220 mm x 1 mm (pack of 10) | 115156 | \$210.00 | \$231.00 |
| Base plate FR4 18/18 µm, 305 (k) x 229 mm x 1 mm (9"x12") (pack of 10) | 119574 | \$270.00 | \$297.00 |
| Prepreg Typ 2125, 310 mm (k) x 190 mm x 0.1 mm, pack of 2 pieces | 115160 | \$15.00 | \$16.50 |
| Prepreg Typ 2125, 275 mm (k) x 200 mm x 0.1 mm, pack of 2 pieces | 119572 | \$15.00 | \$16.50 |
| Pressing Cardboard Cushion 340 mm x 220 mm (pack of 10) | 115154 | \$30.00 | \$33.00 |
| Pressing Cardboard Cushion 305 mm x 229 mm (9"x12") (pack of 10) | 119573 | \$30.00 | \$33.00 |
| Drilling underlay material 340 mm x 220 mm x 2 mm (pack of 10) | 115155 | \$60.00 | \$66.00 |
| Pressing Metal Sheet 360 mm x 420 mm x 0,4 mm, with holes for alignment pins | 111494 | \$140.00 | \$154.00 |
| Pressing Metal Sheet 305 mm x 229 mm x 0,4 mm (9"x12") | 119577 | \$180.00 | \$198.00 |
| with registration pin holes, hardness 50 HRC, minimum order 2 pieces | 120999 | \$110.00 | \$121.00 |
| with registration pin holes, hardness 50 HRC, minimum order 2 pieces | 120345 | \$160.00 | \$176.00 |

| | | | |
|---|--------|---------|---------|
| Pack of 100 Distance Rings for 1/8 inch tools for plotters with automatic tool change | 108016 | \$40.00 | \$44.00 |
|---|--------|---------|---------|

Tools (per pack of 10)

Conical Tool for Isolation Tracks of 0.2 to 0.5mm on 35µm Cu

| | | | |
|--|--------|----------|----------|
| Universal Cutter 1/8", 36 mm, 0.2 - 0.5 mm | 101010 | \$220.00 | \$242.00 |
| Universal Cutter 1/8", 36 mm, 0.2 - 0.5 mm with distance ring orange | 115835 | \$220.00 | \$242.00 |

Conical Tool for Isolation Tracks 0.1 to 0.15 mm on 17 µm Cu

| | | | |
|---|--------|----------|----------|
| Micro Cutter Fine-line Milling Tool 1/8", 36 mm, 0.1 - 0.15 mm | 100890 | \$370.00 | \$407.00 |
| Micro Cutter 1/8", 36 mm, 0.1 - 0.15 mm with distance ring orange | 115836 | \$370.00 | \$407.00 |

Cylindrical Tools for Isolation in RF Applications & for Film Engraving

| | | | |
|--|--------|----------|----------|
| End Mill (RF) 1/8", 36 mm, d = 0.15 mm | 107244 | \$830.00 | \$913.00 |
| End Mill (RF) 1/8", 36 mm, d = 0.15 mm with distance ring blue | 115832 | \$830.00 | \$913.00 |
| End Mill (RF) 1/8", 36 mm, d = 0.25 mm | 100888 | \$370.00 | \$407.00 |
| End Mill (RF) 1/8", 36 mm, d = 0.25 mm with distance ring blue | 115833 | \$370.00 | \$407.00 |
| End Mill (RF) 1/8", 36 mm, d = 0.40 mm | 100862 | \$370.00 | \$407.00 |
| End Mill (RF) 1/8", 36 mm, d = 0.40 mm with distance ring blue | 115834 | \$370.00 | \$407.00 |

Cylindrical Tools for PCB Contour Routing

| | | | |
|---|--------|----------|----------|
| Contour Router 1/8", 38 mm, d = 1.00 mm | 100879 | \$260.00 | \$286.00 |
| Contour Router 1/8", 38 mm, d = 1.00 mm with distance ring yellow | 115844 | \$260.00 | \$286.00 |
| Contour Router 1/8", 38 mm, d = 2.00 mm | 100881 | \$260.00 | \$286.00 |
| Contour Router 1/8", 38 mm, d = 2.00 mm with distance ring yellow | 115845 | \$260.00 | \$286.00 |

Cylindrical Tools for Engraving of Aluminium & Wider Isolation Tracks

| | | | |
|---|--------|----------|----------|
| End Mill 1/8", 36 mm, d = 0.80 mm | 101012 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 0.80 mm with distance ring violet | 115839 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 1.00 mm | 101014 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 1.00 mm with distance ring violet | 115840 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 2.00 mm | 101016 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 2.00 mm with distance ring violet | 115841 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 3.00 mm | 101018 | \$330.00 | \$363.00 |
| End Mill 1/8", 36 mm, d = 3.00 mm with distance ring violet | 115842 | \$330.00 | \$363.00 |

Cylindrical Tools for Milling of Aluminium, Only for High Speed Motors and Contour Routing RF and Microwave Material

| | | | |
|--|--------|----------|----------|
| End Mill 1/8", 38 mm, d = 1.00 mm | 101015 | \$330.00 | \$363.00 |
| End Mill 1/8", 38 mm, d = 1.00 mm with distance ring light-green | 115837 | \$330.00 | \$363.00 |
| End Mill 1/8", 38 mm, d = 2.00 mm | 101017 | \$330.00 | \$363.00 |
| End Mill 1/8", 38 mm, d = 2.00 mm with distance ring light-green | 115838 | \$330.00 | \$363.00 |

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Cylindrical Tools for Drilling of Printed Circuit Boards

| | | | |
|--|--------|---------|---------|
| Spiral Drill 1/8", 38 mm, d = 0.20 mm | 108911 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.20 mm with distance ring green | 115846 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.30 mm | 100977 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.30 mm with distance ring green | 115847 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.40 mm | 100978 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.40 mm with distance ring green | 115848 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.50 mm | 100979 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.50 mm with distance ring green | 115849 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.60 mm | 100980 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.60 mm with distance ring green | 115850 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.70 mm | 100981 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.70 mm with distance ring green | 115851 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.80 mm | 100982 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.80 mm with distance ring green | 115852 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.90 mm | 100984 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 0.90 mm with distance ring green | 115854 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.00 mm | 100985 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.00 mm with distance ring green | 115855 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.10 mm | 100986 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.10 mm with distance ring green | 115856 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.20 mm | 100987 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.20 mm with distance ring green | 115857 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.30 mm | 100989 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.30 mm with distance ring green | 115858 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.40 mm | 100990 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.40 mm with distance ring green | 115859 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.50 mm | 100991 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.50 mm with distance ring green | 115860 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.60 mm | 100992 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.60 mm with distance ring green | 115861 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.70 mm | 100993 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.70 mm with distance ring green | 115862 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.80 mm | 100994 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.80 mm with distance ring green | 115863 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.90 mm | 100995 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 1.90 mm with distance ring green | 115864 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.00 mm | 100996 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.00 mm with distance ring green | 115865 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.10 mm | 100997 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.10 mm with distance ring green | 115866 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.20 mm | 100998 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.20 mm with distance ring green | 115867 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.30 mm | 100999 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.30 mm with distance ring green | 115868 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.40 mm | 101000 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.40 mm with distance ring green | 115869 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.95 mm | 101006 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 2.95 mm with distance ring green | 115870 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 3.00 mm | 101007 | \$70.00 | \$77.00 |
| Spiral Drill 1/8", 38 mm, d = 3.00 mm with distance ring green | 115871 | \$70.00 | \$77.00 |

| | | | |
|---|---------|---------|---------|
| Spiral Drill Kit: Choose 10 spiral drills of any size with rings | SPKIT-R | \$70.00 | \$77.00 |
| Spiral Drill Kit: Choose 10 spiral drills of any size without rings | SPKIT | \$70.00 | \$77.00 |

Dust Extraction

| | | | |
|--|--------|----------|----------|
| Dust bags for GD 1005 (pack 5) | 109028 | \$40.00 | \$44.00 |
| Vacuum dust bags, double-layer for GM80, pack of 5 pieces | 103393 | \$40.00 | \$44.00 |
| Vacuum Cleaner bags for ProtoMat S-Series (pack of 5) | 115952 | \$170.00 | \$187.00 |
| Spare Filter for Dust Extraction system for GD 1005 | 109040 | \$260.00 | \$286.00 |
| Cartridge for Spare filter GM 80 | 102325 | \$240.00 | \$264.00 |
| HEPA filter for vacuum cleaner S-Series | 115953 | \$140.00 | \$154.00 |
| Carbon brush for vacuum cleaner S-Series, pack of 2 pieces | 115961 | \$50.00 | \$55.00 |

Machine Accessories

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|---|--------|----------|----------|
| Slide 100 mm (red) | 100039 | \$5.00 | \$5.50 |
| Registration pins for all ProtoMat, Pack of 10 p | 108221 | \$6.00 | \$6.60 |
| Maintenance set for LPKF ProtoMats 91s, 92s, 93s, C20 - C100/HF, M30 and M60 | 113656 | \$50.00 | \$55.00 |
| Special plastic grease ISOFLEX TOPAS 5051 (30 g) | 102244 | \$20.00 | \$22.00 |
| Sinter backing plate for vacuum table for ProtoMat S-Series white, pack of 4 pieces | 116099 | \$150.00 | \$165.00 |
| Foot for working depth limiter | 115513 | \$20.00 | \$22.00 |

LPKF Tools & Accessories Price List Q1-10.xls

Notes:

- * Prices are FOB, Sydney in Australian Dollars
- * Quoted Prices do not include delivery charges, which will be added at cost, at time of invoice
- * Some items may be out of stock, please call first for availability.
- * Price List is subject to Embedded Logic Solutions Standard "Terms and Conditions of Sale" which can be viewed at www.emlogic.com.au/pdfs/Terms&Conditions.pdf