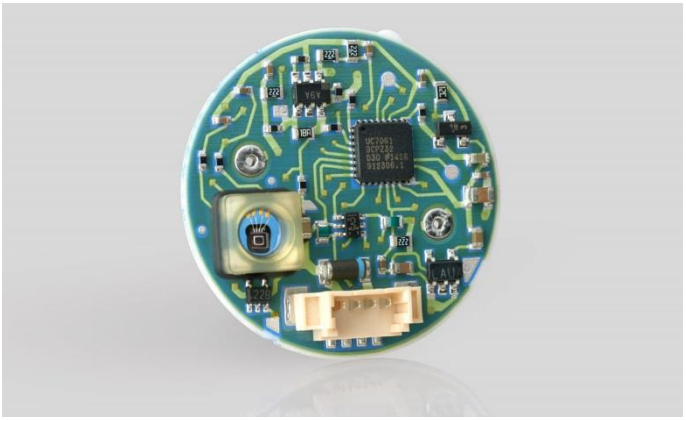
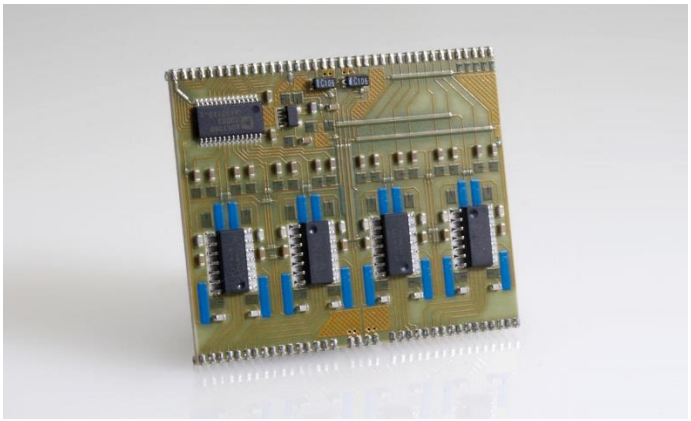
METALLUX
Swiss technology at your service

THICK FILM TECHNOLOGY CIRCUITS
SMT AND COB ASSEMBLY SERVICES





Thick Film Technology circuits

- Customer's design, any application
- Substrates in ceramic Al_2O_3, stainless steel, Flex, FR4, sapphire
- Active and passive trimming
- SMT
- Chip on board, ball and wedge bonding

Tel: +41.91.640.64.50
Fax: +41.91.640.64.51
METALLUX - Via Moree 12 - 6850 Mendrisio – Switzerland
www.metallux.ch
info@metallux.ch

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Metallux SA is a Swiss manufacturer of ceramic pressure sensors and thick film technology electronic circuits. Based in southern Switzerland, Metallux SA produces an extensive range of both standard and customized pressure sensors, together with technologically innovative circuits based on proprietary design and clients' specifications.

We have a broad experience in manufacturing customized electronic circuits. Decades of continuous efforts and investment in R&D have made Metallux an internationally recognized player in the competitive market of **thick film technology electronic applications**. Today, Metallux customers can rely on our experience for the realization of circuits for the broadest scope of applications, from military and aerospace to industrial, medical and much more.

Available services and technologies

- Design and development of optimized circuit layouts
- Clean room production environment
- Hybrid circuits
- Multilayer hybrid circuits with integrated resistors
- Active and passive Surface Mounted Technology (SMT), from 0201 to BGA and µBGA
- Chip-and-wire: MEMS or silicon die attach + wedge bonding or ball bonding
- Flip-chip: soldering and epoxy anisotropic attach
- Hot bar attach soldering process
- Laser trimming
- Finishing and encapsulation with conformal coatings, epoxy and silicone resins
- Integrated pull and advanced shear tests

METALLUX TECHNOLOGY-SUBSTRATE APPLICATION TABLE

Not only hybrid circuits… Metallux can apply production technologies on many substrates.

Substrate / Technology	Al_2O_3 ceramic	FR4	Flex	Stainless steel	Sapphire
Screen printing	X			X	X
SMT	X	X	X	X	X
Chip & Wire	X	X	X		

Hybrid circuits