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The LA-2729 and LA-3770 are both IDC20A-to-MIPI converters, but they differ in the signal assignment of the upper 10 pins of the MIPI-20 connector.

- LA-2729: converts IDC20A to MIPI-10/20T
- LA-3770: converts IDC20A to MIPI-10/20/34

Key differences:

- LA-2729 uses a MIPI-20T connector with the following pin mapping:
 - Pin 12 = TRACECLK
 - ∘ Pin 14 = TRACEDATA[0]
 - Pin 16 = TRACEDATA[1]
 - ∘ Pin 18 = TRACEDATA[2]
 - ∘ Pin 20 = TRACEDATA[3]

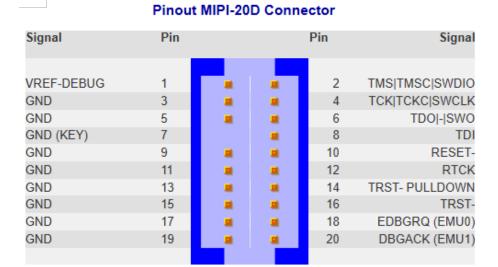
Pinout MIPI-20T Connector

			Pin	Signal
GND GND (KEY)	1 3 5 7 9 11 13 15		2 4 6 8 10 12 14 16	TMS TMSC SWDIO TCK TCKC SWCLK TDO - SWO TDI RESET- TRACECLK TRACEDATA[0] TRACEDATA[1] TRACEDATA[2]
GND	19	at at	20	TRACEDATA[3]

Note

This converter does not connect the trace pins of a CoreSight MIPI20T connector since they are not used by IDC20A debug cables. Whereas tracing via SWO/SWV is supported.

- LA-3770 uses a MIPI-20D connector with the following pin mapping:
 - ∘ Pin 12 = RTCK
 - Pin 14 = TRST-PULLDOWN
 - Pin 16 = TRST-
 - Pin 18 = EDBGRQ (EMU0)
 - ∘ Pin 20 = DBGACK (EMU1)



Notes

- Most evaluation boards use a MIPI-20T pinout.
- LA-3770 can be reconfigured (solder bridges) for MIPI-20T.

For further details, refer to the <u>Arm Debug and Trace Interface Specification</u>.