

Cross-brand TIA / AFE Selection Chart

Fill concrete numbers from latest datasheets · avoid inferring TIA-BW from GBP

Brand	Part	Topology	BW/GBP	en / in	Supply	AEC-Q	Fit-tags	Links
Texas Instruments	OPA857	Dedicated TIA	See DS	See DS	See DS	—	High-speed optical	DS / EVM
Texas Instruments	OPA855	HS op-amp (TIA)	GBP (DS)	en/in (DS)	See DS	—	HS optical · VG-ready	DS / EVM
TI	OPA858 / OPA818	HS op-amp (TIA)	GBP (DS)	en/in (DS)	See DS	—	HS optical/LiDAR	DS / EVM
ST	TSZ121 / TSZ122	Low-noise op-amp	GBP (DS)	en (DS)	Single/Dual	—	Low-noise medical	DS / AN
ST	TSU111	Micropower op-amp	GBP (DS)	en (DS)	Single-supply	—	Low-power	DS / AN
onsemi	NOA3306	AFE w/ TIA path	TIA BW (DS)	See DS	See DS	Varies	Vision camera	DS / EVM
Renesas	R-Car AFE	Platform AFE	TIA path (DS)	See DS	Automotive	Likely	Automotive LiDAR	Docs
Microchip	MCP6V51	Zero-drift op-amp	GBP (DS)	en (DS)	Single-supply	—	Medical/metrology	DS / EVB
Microchip	MCP6Hxx / MCP6022	Op-amp	GBP (DS)	en/in (DS)	Single/Dual	—	General optical	DS / EVB
Melexis	MLX75027	ToF AFE	TIA path (DS)	See DS	Automotive	Likely	Automotive ToF	Docs

High-speed optical

VG-ready

Low-noise medical

Vision camera

Automotive LiDAR

AEC-Q