

Matrix Type	Operation	S	C	D	Z
General	QR factorization	SGEQRF	CGEQRF	DGEQRF	ZGEQRF
	QR factorize and solve	SGEQRS	CGEQRS	DGEQRS	ZGEQRS
	Generate Q from QR factorization	SORGQR	CUNGQR	DORGQR	ZUNGQR
	Multiply matrix by Q from QR factorization	SORMQR	CUNMQR	DORMQR	ZUNMQR
General	LQ factorization	SGELQF	CGELQF	DGELQF	ZGELQF
	Generate Q from LQ factorization	SORGLQ	CUNGLQ	DORGLQ	ZUNGLQ
	Multiply matrix by Q from LQ factorization	SORMLQ	CUNMLQ	DORMLQ	ZUNMLQ
General	RQ factorization	SGERQF	CGERQF	DGERQF	ZGERQF
	Multiply matrix by Q from RQ factorization	SORMRQ	CUNMRQ	DORMRQ	ZUNMRQ
General	QL factorization	SGEQLF	CGEQLF	DGEQLF	ZGEQLF
	Generate Q from QL factorization	SORGQL	CUNGQL	DORGQL	ZUNGQL
	Multiply matrix by Q from QL factorization	SORMQL	CUNMQL	DORMQL	ZUNMQL