
3.8V-60V Vin, 2.5A, High Efficiency Step-down DCDC Converter with Programmable Frequency

FEATURES

REVISION HISTORY

DEVICE ORDER INFORMATION

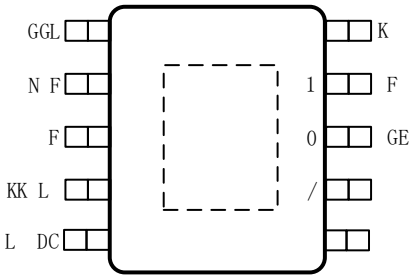
1)		

ABSOLUTE MAXIMUM RATINGS

- (1)
- (2)

PIN FUNCTIONS

PIN CONFIGURATION



RECOMMENDED OPERATING CONDITIONS

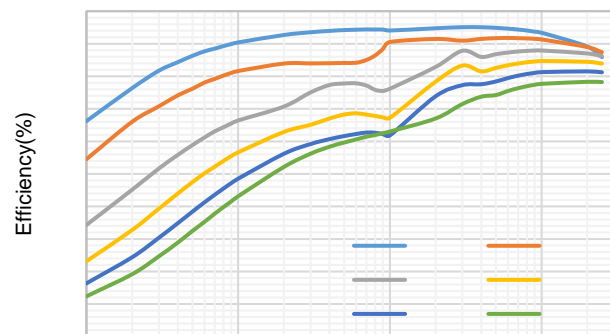
ESD RATINGS

(1)
(2)

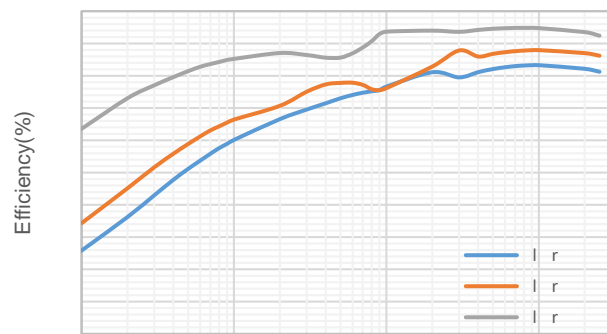
THERMAL INFORMATION

ELECTRICAL CHARACTERISTICS

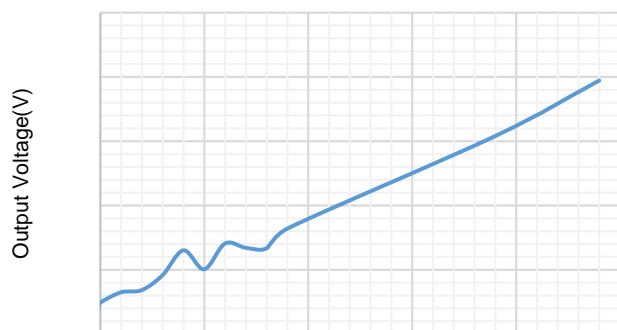
TYPICAL CHARACTERISTICS



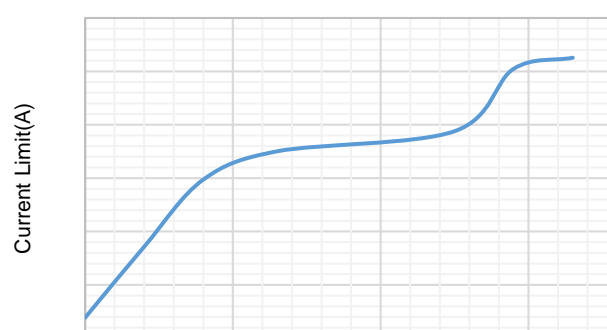
Output Current(A)



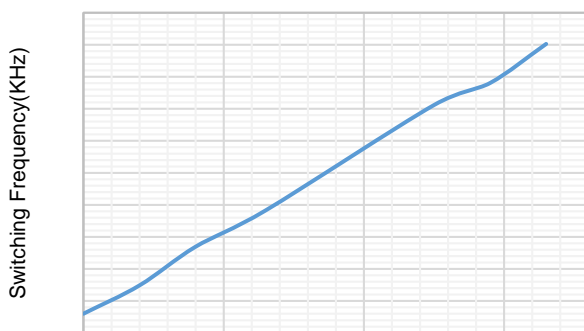
Output Current(A)



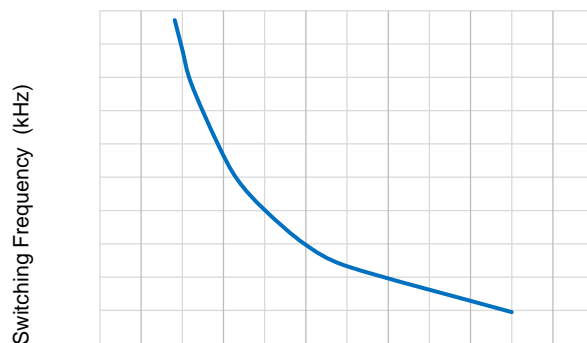
Output Current(A)



Temperature(°C)

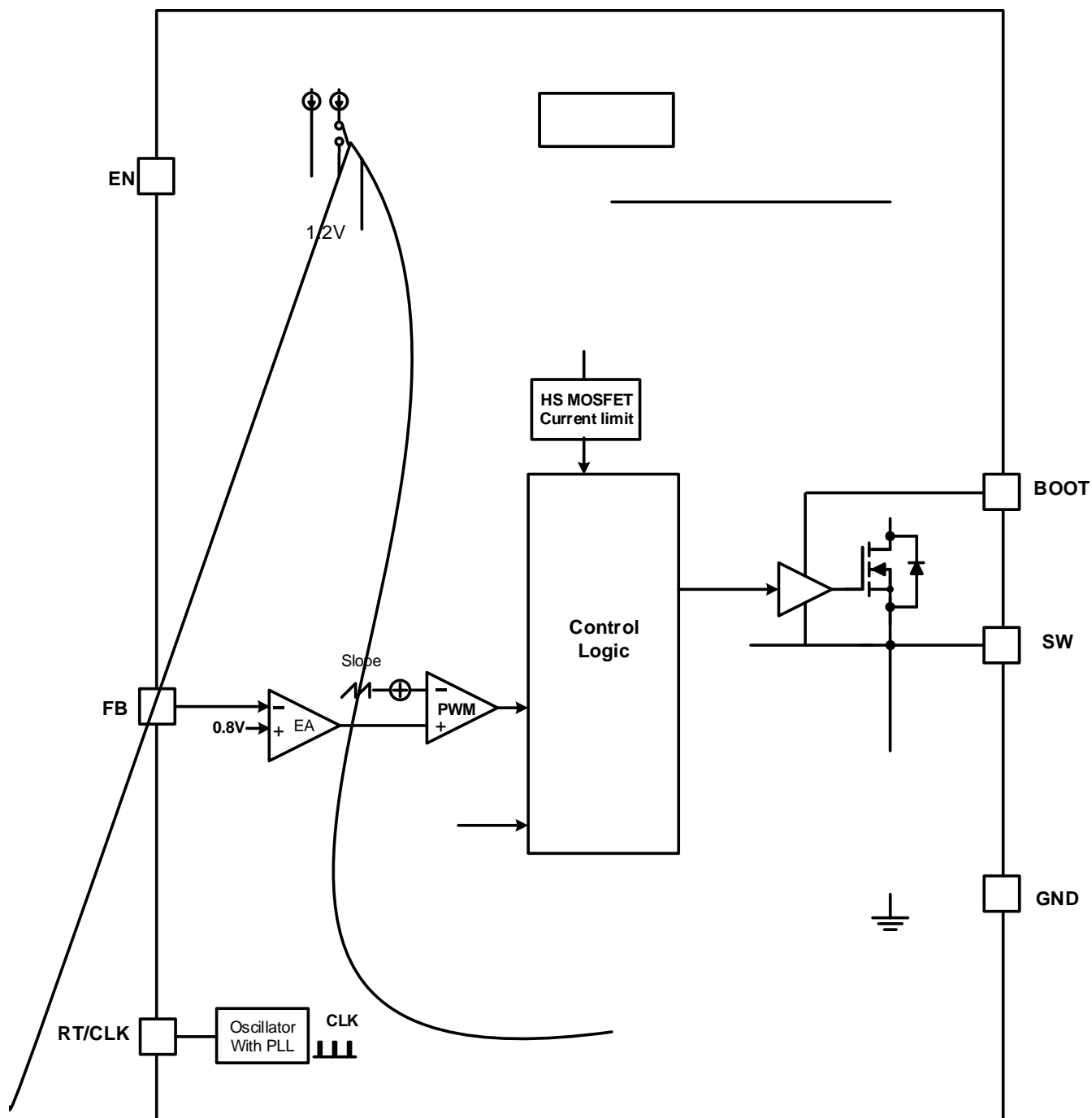


Temperature(°C)



Switching Frequency (kHz)

FUNCTIONAL BLOCK DIAGRAM

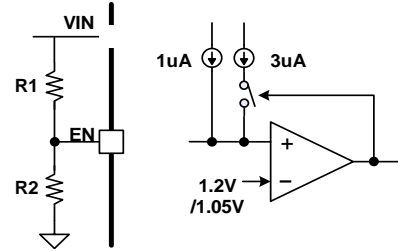
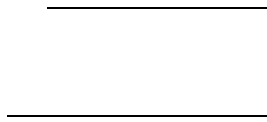


OPERATION

Overview

Peak Current Mode Control

Enable and Under Voltage Lockout Threshold



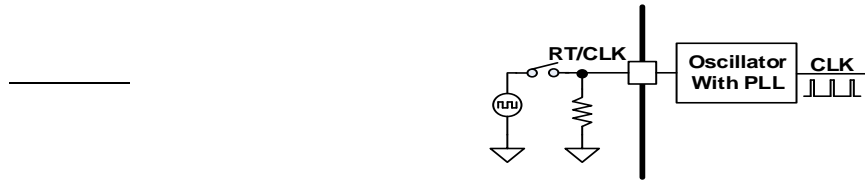
Output Voltage

1%

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Switching Frequency and Clock Synchronization

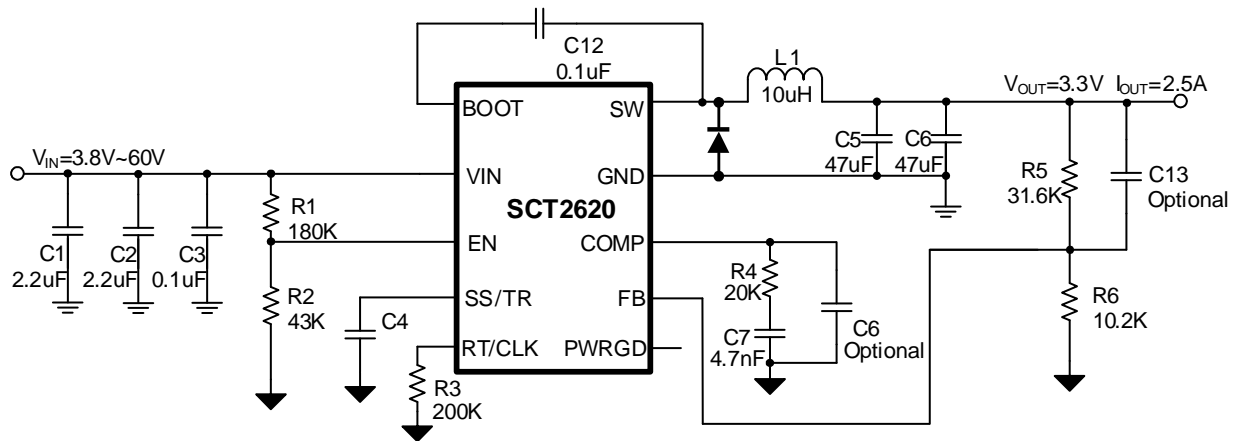


Over voltage Protection

Power Good (PWRGD Pin)

Thermal Shutdown

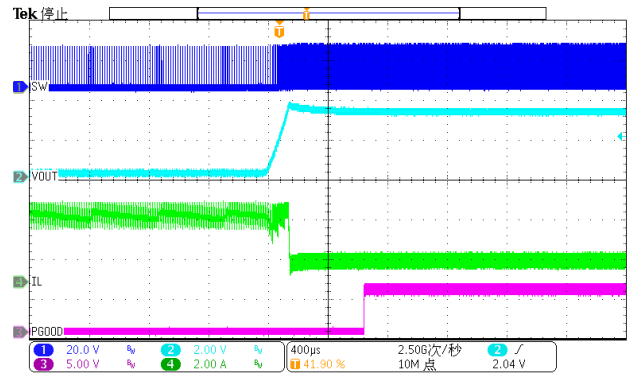
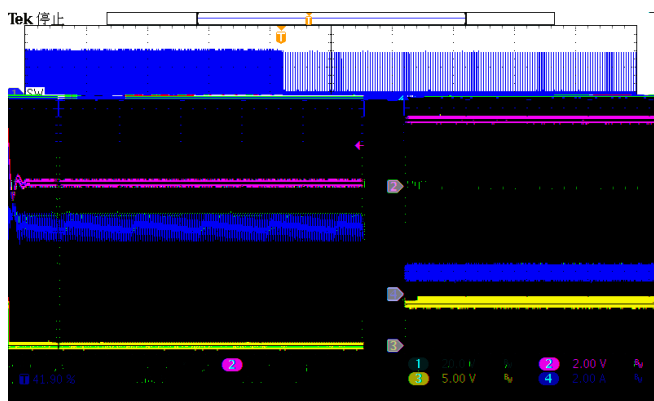
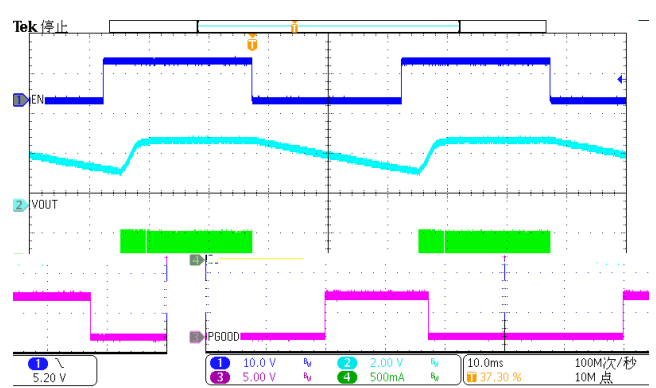
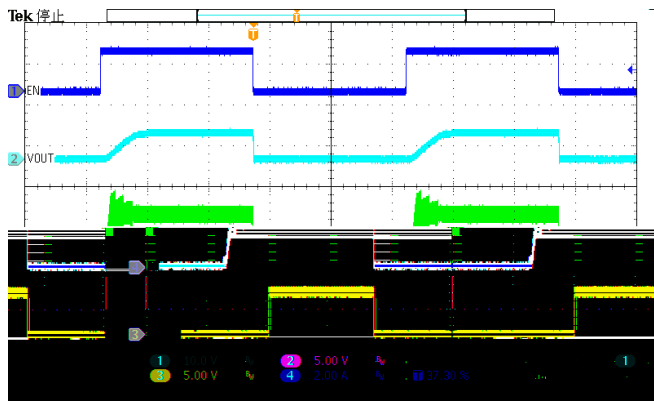
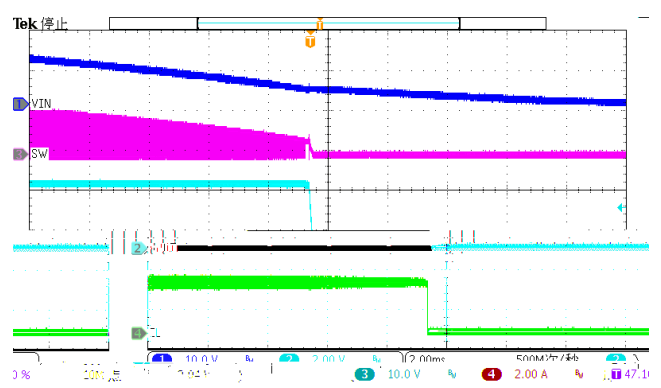
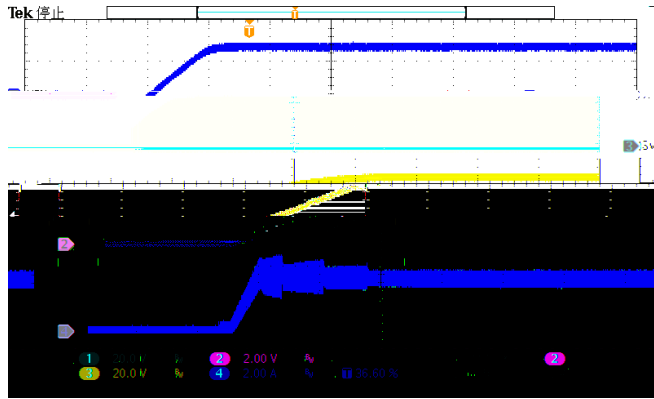
Typical Application

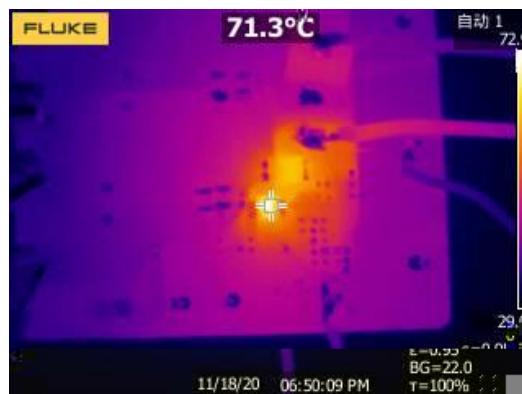
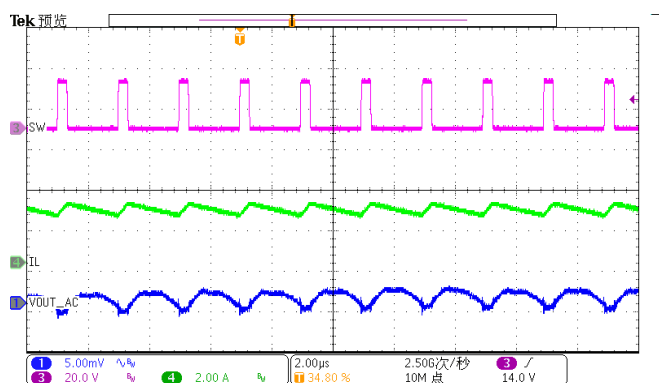
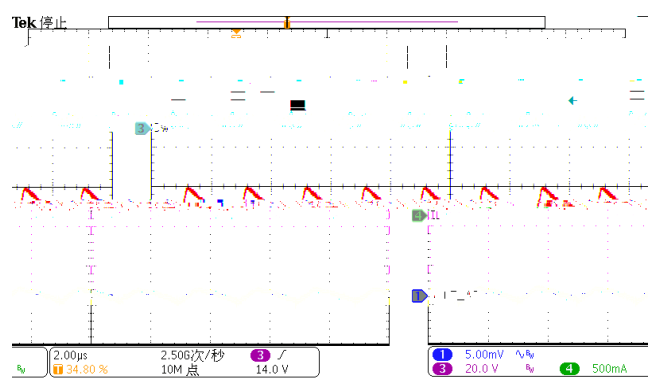
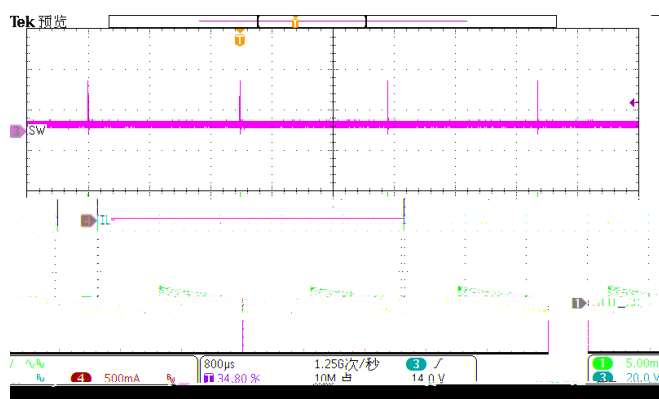
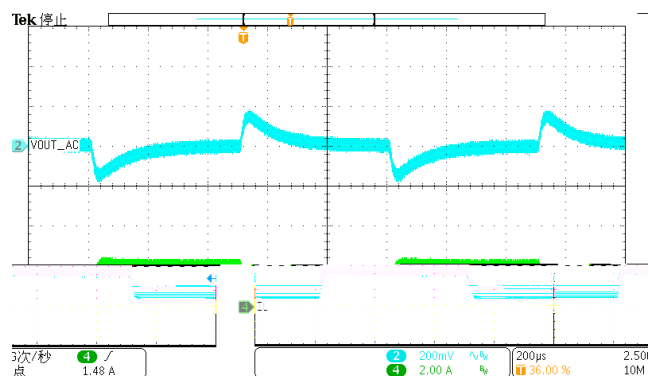
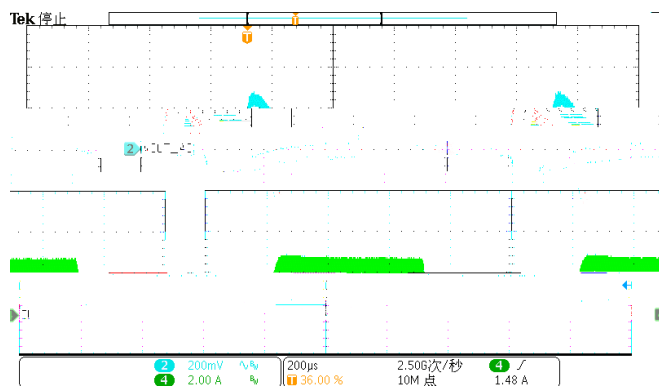


Design Parameters

[illegible]



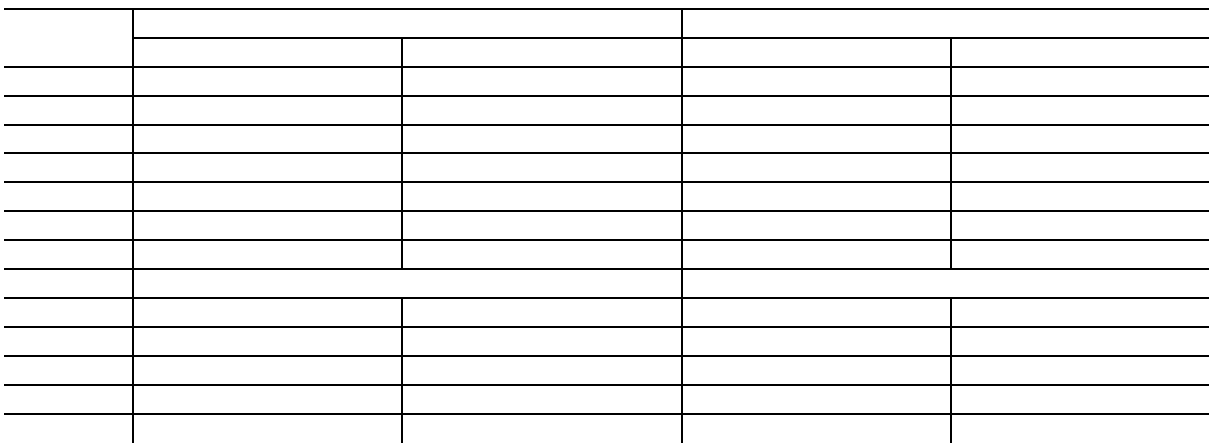




Layout Guideline

1.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



TAPE AND REEL INFORMATION

