

TIMING EVR CHANNEL

OUT 1

OUT 2

OUT 3

OUT 4

RF IN

OUT 5

OUT 6

OUT 7

OUT 8

1-TO-8 RF FANOUT  
261-201-04

TRIG 1

TRIG 2

Trigger Sync III  
261-201-03

PWR

IN

EVR

MON

IN

476MHz

MON

STANFORD RESEARCH SYSTEMS

MODEL SR620

UNIVERSAL TIME INTERVAL COUNTER

100000000.0011

GHz

s/MHz

ms/kHz

μs/Hz

ns/mHz

ps/μHz

SEC  
HZ  
DEG  
VDC

MODE

TIME

WIDTH

t<sub>1</sub>/t<sub>2</sub>

FREQ

PER

PHASE

COUNT

SOURCE

(START)

A

B

REF

GATE/ARM

±TIME

+TIME

EXT

1s

.1s

.01s

1 PER

COMPL/HLDF

SAMPLE SIZE

BUSY

x10<sup>6</sup>

x10<sup>5</sup>

x10<sup>4</sup>

x10<sup>3</sup>

x10<sup>2</sup>

x10

AUTO

STA  
RT

RES  
ET

DISPLAY

MEAN

REL

JITTER

MAX

MIN

TRIG

DVM

x1000

REL

SET

CLR

SCOPE AND CHART

HIST

MEAN

JITTER

SCALE

ATU  
O

DIS  
P

AUTO

PRI  
NT

CLR

CONFIG

CLOCK

SEL

SET

GATE

TRIG

POS

NEG

LOG  
IC

ARM

50Ω

MAN

TER  
M

EXT

1MΩ

START

TRIG

LEVEL

SLO  
PE

AUTO

AC  
DC

UHF  
50Ω

INP  
UT

A

1MΩ

STOP

TRIG

LEVEL

SLO  
PE

AUTO

AC  
DC

UHF  
50Ω

INP  
UT

B

1MΩ

STATUS

ACT  
REM

ON STBY

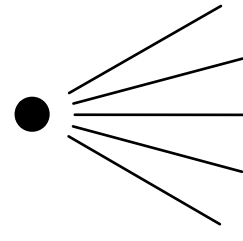
TTL

ECL

50Ω

LEV  
EL

REF OUT



DIODE SIGNAL

IN

RESYNC  
TRIG IN

IN

120HZ  
DIODE IN

IN

FAST  
TIMING  
OUT

OUT

LASER  
INTERF.  
SLAC  
261-100-50  
ML DIODE

OUT

IN

LIMO