

TOTEM acronym list

AFEC	Anode Front-End Card of T1
BC0	Bunch Crossing Zero
BPM	Beam Position Monitor
CC	Coincidence Chip
CCMC	Coincidence Chip Mezzanine Card
CCU	Communication and Control Unit
CCUM	Communication and Control Unit Module
CFEC	Cathode Front-End Card of T1
CMM	Coordinate Measuring Machine
CNC	Computer Numerical Control
CSC	Cathode Strip Chamber
CTR	Current Terminating Ring
CTS	Current Terminating Structure
DAC	Digital-to-Analog Converter
DCS	Detector Control System
DCU	Detector Control Unit
DD	Double Diffraction
DOH	Digital Opto-Hybrid
DOHM	Digital Opto-Hybrid Module
DPE	Double Pomeron Exchange or central diffraction
ELMB	Embedded Local Monitor Board
ENC	Equivalent Noise Charge
FEC	Front-End Controller
FED	Front-End Driver
FRL	Front-End Readout Link
FPGA	Field-Programmable Gate Array
GEM	Gas Electron Multiplier
GOH	Gigabit Optical Hybrid
I²C	Inter-Integrated Circuit (multi-master serial computer bus used to attach low-speed peripherals to a motherboard)
IP	Interaction Point
LVDS	Low-Voltage Differential Signalling
PCB	Printed Circuit Board

PT100	Platinum (Pt) resistance thermometer with a resistance of 100 Ω at 0°C
ROC	Read-Out Card
RP	Roman Pot
RP Unit	Ensemble of 2 vertical and 1 horizontal RP
RP Station	Ensemble of 2 RP Units
SCR	Slow Control Ring
SD	Single Diffraction
SEU	Single Event Upset
TDC	Time-to-Digital Converter
TTC	Timing, Trigger and Control
VFAT	Historical name inherited from the predecessor chip: Very Forward ATLAS and TOTEM chip
VTM	VFAT Trigger Mezzanine